

QATOL



QATOL LUBRICANTS

PRODUCT CATALOGUE
TECHNICAL SPECIFICATIONS

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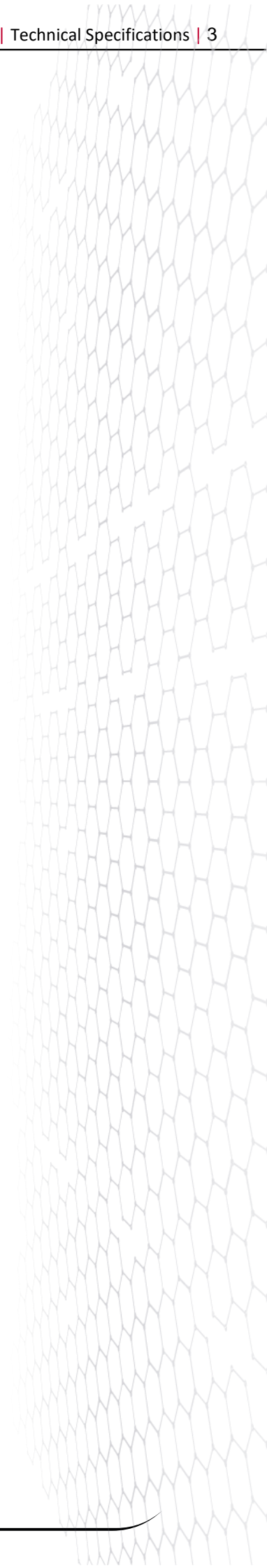
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www.qatol.com

AUTOMOTIVE ENGINE OIL

DIESEL ENGINE OIL

MONO GRADE DIESEL ENGINE OIL



QATOL SUPER POWER DIESEL ENGINE OIL SAE 40 (API-CD/SF)

High-performance monograde engine oils for diesel and gasoline engines

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 40 is used for the necessary streamlining of lubricants, above all for vehicle and equipment fleets.

The right engine oil is available with QATOL DIESEL ENGINE OIL SAE 40. Whether continuously at full throttle or in STOP and GO operation, QATOL DIESEL ENGINE OIL SAE 40 protects against wear, deposits and corrosion all the time with the lowest oil consumption.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 40 is specially engineered for four cycle diesel engines of various mobile and stationary applications, which require the use of API CD compliant engine oils and operate in hot climate conditions with constant high loads.

QATOL DIESEL ENGINE OIL SAE 40 is the perfect choice for high mileage diesel engines with increased oil consumption or burnout, where API CD Service Category mineral engine oils are recommended.

FEATURES AND BENEFITS:

The combination of outstanding lubrication characteristics of mineral base stocks and detergent inhibitors provide highly effective performance of industrial diesel engines with minimal costs.

Mineral base oils in product formulation possess good emulsifying characteristics, thus they provide the possibility of using hydraulic systems of mobile equipment in various climate conditions, including those with increased air humidity.

Time proven balanced formulation of oil contributes to maintaining overall durability of engine.

SPECIFICATIONS:

API CD/SF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.88	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	152	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15	mm ² /s
Viscosity Index	ASTM D 2270	98	-
TBN	ASTM D 2896	5	mg KOH/g
Flash Point, CoC	ASTM D 92	237	°C
Pour Point	ASTM D 97	-27	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 40 (API-CF/SF)



High quality diesel engine oil for naturally aspirated and Turbo Charger engines

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 40 is a heavy-duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under severe conditions.

QATOL DIESEL ENGINE OIL SAE 40 is suitable for use in a wide range of on- and off-highway applications where an API CF oil is recommended.

QATOL DIESEL ENGINE OIL SAE 40 is based on high quality base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 40 are suitable for:

- Heavy duty diesel engine oil for most severe applications of modern on- and off-highway diesel engines.
- Off-highway industries including: trucking, construction, quarrying, and agriculture

FEATURES AND BENEFITS:

- Environment friendly
- Exhibits easier cold weather starting
- Resists breakdown at high temperatures.
- Resisting deposits caused by soot and acids
- Withstands the stress of heat, wear and corrosion
- Longer drain intervals and smooth running of engines.
- Good compatibility with rubber to Protect rubber seals.
- Highly efficient in dispersancy and detergency keeps engine clean.
- Improved low temperature sludge control in frequent stop-and-go service.
- Reduced oil consumption due to improved high temperature performance.

SPECIFICATIONS:

API CF/SF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.88	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	152	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15	mm ² /s
Viscosity Index	ASTM D 2270	98	-
TBN	ASTM D 2896	8.5	mg KOH/g
Flash Point, CoC	ASTM D 92	237	°C
Pour Point	ASTM D 97	-27	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 40 (API-CF4/SL)



High performance mono grade diesel engine oils are specially designed to lubricate a wide range of diesel engine oils.

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 40 oils designed for use in wide range of turbocharged and non-turbocharged diesel engines under normal operation. High quality base oils and selected combination of additives provide protection against deposits and wear and resist thickening by heat.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 40 are suitable for:

- All turbocharged or normally aspirated Diesel engines of civil works machines, trucks,
- All Diesel stationary engines (energy production).
- Gear boxes, torque converters, hydraulic systems when the manufacturer requires engine oil with an appropriate grade for these applications.
- Commercial road transport
- Off-highway vehicles and construction equipment
- Agricultural tractors and farm machinery
- High speed diesel engines in marine service
- Generator sets

BENEFITS:

- Excellent engine protection under harsh operating conditions.
- Low oil consumption and fuel consumptions.
- Thermal and oxidation stability.
- Good dispersant and detergent properties.
- Prolong engine life and durability.
- Good soot handling.
- Improve engine performance and efficiency.

SPECIFICATIONS:

API CF-4/SL

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.88	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	152	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15	mm ² /s
Viscosity Index	ASTM D 2270	98	-
TBN	ASTM D 2896	11	mg KOH/g
Flash Point, CoC	ASTM D 92	238	°C
Pour Point	ASTM D 97	-27	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 50 (API-CD/SF)



High-performance monograde engine oils for diesel and gasoline engines

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 50 is used for the necessary streamlining of lubricants, above all for vehicle and equipment fleets.

The right engine oil is available with QATOL DIESEL ENGINE OIL SAE 50. Whether continuously at full throttle or in STOP and GO operation, QATOL DIESEL ENGINE OIL SAE 50 protects against wear, deposits and corrosion all the time with the lowest oil consumption.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 50 is specially engineered for four cycle diesel engines of various mobile and stationary applications, which require the use of API CD compliant engine oils and operate in hot climate conditions with constant high loads.

QATOL DIESEL ENGINE OIL SAE 50 is the perfect choice for high mileage diesel engines with increased oil consumption or burnout, where API CD Service Category mineral engine oils are recommended.

FEATURES AND BENEFITS:

The combination of outstanding lubrication characteristics of mineral base stocks and detergent inhibitors provide highly effective performance of industrial diesel engines with minimal costs.

Mineral base oils in product formulation possess good emulsifying characteristics, thus they provide the possibility of using hydraulic systems of mobile equipment in various climate conditions, including those with increased air humidity.

Time proven balanced formulation of oil contributes to maintaining overall durability of engine.

SPECIFICATIONS:

API CD/SF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.886	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	206	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	18.3	mm ² /s
Viscosity Index	ASTM D 2270	98	-
TBN	ASTM D 2896	5	mg KOH/g
Flash Point, CoC	ASTM D 92	250	°C
Pour Point	ASTM D 97	-24	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 50 (API-CF/SF)



High quality diesel engine oil for naturally aspirated and Turbo Charger engines

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 50 is a heavy-duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under severe conditions.

QATOL DIESEL ENGINE OIL SAE 50 is suitable for use in a wide range of on- and off-highway applications where an API CF oil is recommended.

QATOL DIESEL ENGINE OIL SAE 50 is based on high quality base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 50 are suitable for:

Heavy duty diesel engine oil for most severe applications of modern on- and off-highway diesel engines.

Off-highway industries including: trucking, construction, quarrying, and agriculture

FEATURES AND BENEFITS:

- Environment friendly
- Exhibits easier cold weather starting
- Resists breakdown at high temperatures.
- Resisting deposits caused by soot and acids
- Withstands the stress of heat, wear and corrosion
- Longer drain intervals and smooth running of engines.
- Good compatibility with rubber to Protect rubber seals.
- Highly efficient in dispersancy and detergency keeps engine clean.
- Improved low temperature sludge control in frequent stop-and-go service.
- Reduced oil consumption due to improved high temperature performance.

SPECIFICATIONS:

API CF/SF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.886	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	206	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	18.3	mm ² /s
Viscosity Index	ASTM D 2270	98	-
TBN	ASTM D 2896	8.5	mg KOH/g
Flash Point, CoC	ASTM D 92	250	°C
Pour Point	ASTM D 97	-24	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 50 (API-CF4/SL)



High performance mono grade diesel engine oils are specially designed to lubricate a wide range of diesel engine oils.

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 50 oils designed for use in wide range of turbocharged and non-turbocharged diesel engines under normal operation. High quality base oils and selected combination of additives provide protection against deposits and wear and resist thickening by heat.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 50 are suitable for:

- All turbocharged or normally aspirated Diesel engines of civil works machines, trucks,
- All Diesel stationary engines (energy production).
- Gear boxes, torque converters, hydraulic systems when the manufacturer requires engine oil with an appropriate grade for these applications.
- Commercial road transport
- Off-highway vehicles and construction equipment
- Agricultural tractors and farm machinery
- High speed diesel engines in marine service
- Generator sets

BENEFITS:

- Excellent engine protection under harsh operating conditions.
- Low oil consumption and fuel consumptions.
- Thermal and oxidation stability.
- Good dispersant and detergent properties.
- Prolong engine life and durability.
- Good soot handling.
- Improve engine performance and efficiency.

SPECIFICATIONS:

API CF-4/SL

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.886	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	206	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	18.3	mm ² /s
Viscosity Index	ASTM D 2270	98	-
TBN	ASTM D 2896	11	mg KOH/g
Flash Point, CoC	ASTM D 92	250	°C
Pour Point	ASTM D 97	-24	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

AUTOMOTIVE ENGINE OIL

DIESEL ENGINE OIL

MULTI GRADE DIESEL ENGINE OIL



QATOL SUPER POWER DIESEL ENGINE OIL SAE 15W40 (API-CD/SF)

High-performance multi grade engine oils for diesel and gasoline engines

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 15W40 is used for the necessary streamlining of lubricants, above all for vehicle and equipment fleets.

The right engine oil is available with QATOL DIESEL ENGINE OIL SAE 15W40. Whether continuously at full throttle or in STOP and GO operation, QATOL DIESEL ENGINE OIL SAE 15W40 protects against wear, deposits and corrosion all the time with the lowest oil consumption.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 15W40 is specially engineered for four cycle diesel engines of various mobile and stationary applications, which require the use of API CD compliant engine oils and operate in different climate conditions.

FEATURES AND BENEFITS:

The combination of outstanding lubrication characteristics of mineral base stocks and detergent inhibitors provide highly effective performance of industrial diesel engines with minimal costs.

- Mineral base oils in product formulation possess good emulsifying characteristics, thus they provide the possibility of using hydraulic systems of mobile equipment in various climate conditions, including those with increased air humidity.
- Time proven balanced formulation of oil contributes to maintaining overall durability of engine.

SPECIFICATIONS:

API CD/SF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.87	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	110	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	13.9	mm ² /s
Viscosity Index	ASTM D 2270	126	-
TBN	ASTM D 2896	5	mg KOH/g
Flash Point, CoC	ASTM D 92	228	°C
Pour Point	ASTM D 97	-30	°C
Dynamic Viscosity @ - 20 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 15W40 (API-CF/SF)



High quality diesel engine oil for naturally aspirated and Turbo Charger engines

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 15W40 is a heavy-duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under severe conditions.

QATOL DIESEL ENGINE OIL SAE 15W40 is suitable for use in a wide range of on- and off-highway applications where an API CF oil is recommended.

QATOL DIESEL ENGINE OIL SAE 15W40 is based on high quality base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 15W40 are suitable for:

- Heavy duty diesel engine oil for most severe applications of modern on- and off-highway diesel engines.
- Off-highway industries including: trucking, construction, quarrying, and agriculture

FEATURES AND BENEFITS:

- Environment friendly
- Exhibits easier cold weather starting
- Resists breakdown at high temperatures.
- Resisting deposits caused by soot and acids
- Withstands the stress of heat, wear and corrosion
- Longer drain intervals and smooth running of engines.
- Good compatibility with rubber to Protect rubber seals.
- Highly efficient in dispersancy and detergency keeps engine clean.
- Improved low temperature sludge control in frequent stop-and-go service.
- Reduced oil consumption due to improved high temperature performance.

SPECIFICATIONS:

API CF/SF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.87	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	110	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	13.9	mm ² /s
Viscosity Index	ASTM D 2270	126	-
TBN	ASTM D 2896	8.5	mg KOH/g
Flash Point, CoC	ASTM D 92	228	°C
Pour Point	ASTM D 97	-30	°C
Dynamic Viscosity @ - 20 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 15W40 (API-CF4/SL)



High-quality heavy-duty Multi grade Diesel Engine Oil.

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 15W40 is a high-quality heavy-duty engine oil. This product can be used in 4-stroke gasoline and diesel engines. This product can be used all year round and is intended for passenger cars, light vans and trucks. This product is particularly suitable for large mixed fleets and can be used in diesel engines that are naturally aspirated and/ or equipped with turbochargers. This formulation includes high detergent and dispersant additives and is specifically developed to function well in extreme working conditions.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 15W40 recommended for both diesel and gasoline engines, which are naturally aspirated, turbo-charged or super charged.

QATOL DIESEL ENGINE OIL SAE 15W40 recommended for use in European, Japanese, and US turbocharged and non-turbocharged diesel engines. Also, it is most suitable for automotive petrol engines and 4-wheel drives due to the high level of detergents/dispersants that provide excellent protection from typical city stop/start operation that promotes acid sludge formation.

BENEFITS:

- Excellent oxidation and thermal stability under severe operation.
- Super detergent-dispersant characteristics.
- Prevents harmful foaming.
- Excellent anti-corrosion and anti-rust properties.
- Prolongs engine life and improves running efficiency
- Excellent TBN retention effectively neutralizing the acidic by-products of combustion

SPECIFICATIONS:

API CF-4/SL

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.87	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	110	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	13.9	mm ² /s
Viscosity Index	ASTM D 2270	126	-
TBN	ASTM D 2896	11.9	mg KOH/g
Flash Point, CoC	ASTM D 92	236	°C
Pour Point	ASTM D 97	-30	°C
Dynamic Viscosity @ - 20 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 15W40 (API-CI4/SL)



Super High-Performance oil for a variety of diesel and gasoline engines.
Specially for highly loaded commercial vehicle diesel engines. Lower oil consumption.

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 15W40 Super Diesel Engine Oil is extra high performance Heavy- Duty Diesel Engine Oil specially developed for use in modern, low emission diesel engines, including those fitted with Exhaust Gas Re-Circulation (EGR) systems.

QATOL DIESEL ENGINE OIL SAE 15W40 is a super-long term all-season engine oil of the SHPD category for diesel and gasoline engines with and without turbo-charging in passenger cars, trucks, buses and industrial equipment that have high requirements with respect to engine cleanliness and maintenance intervals.

APPLICATIONS:

- Mixed fleets of diesel engines (high speed, four-stroke, turbocharged or naturally aspirated)
- Four-stroke gasoline engines in mixed fleets of diesel and gasoline engines
- Commercial road transport
- Off-highway vehicles and plant
- Agricultural tractors and farm machinery
- High speed diesel engines in marine service (e.g., fishing boat, river transport)
- Generator sets
- Mobile hydraulic systems (where oil type and viscosity are appropriate)

BENEFITS:

- Prolongs engine life— High efficiency dispersant combination plus proven metallo-organic anti-wear additive system provides excellent protection against wear of critically loaded components under all operating conditions. Multi grade viscosity provides additional protection against wear at start-up and under high temperature operating conditions.
- Preserves full power and performance— Outstanding metallic detergent additive system preserves full power and performance by providing excellent upper-ring-belt deposit control under the high temperatures encountered in turbo charged diesel engines.
- Extends oil and filter service intervals— Highly effective antioxidant system inhibits the formation of sludge forming materials which can lead to premature oil thickening and filter plugging. Very effective dispersant system further assists by keeping insoluble contaminants finely suspended in the oil, minimizing their ability to block oil filters.
- Excellent wear protection even under high continuous stress
- Protection from corrosion even when used with diesel fuels with high sulfur content
- Sludge and adhesions are securely prevented by QATOL DIESEL ENGINE OIL SAE 15W40 both with extraordinarily high thermal loads as well as in stop and- go driving

SPECIFICATIONS & RECOMMENDATIONS:

- ACEA E7
- API CI-4 / SL
- GLOBAL DHD-1
- CAT ECF-1-a/ECF-2
- CUMMINS CES 20076/7/8
- DEUTZ DQC III-10
- MAN M 3275-1
- MB-APPROVAL 228.3
- MTU DDC TYPE-2
- RENAULT RLD / RLD-2

QATOL SUPER POWER DIESEL ENGINE OIL SAE 15W40 (API- CI4/SL)(Continued)

SPECIFICATIONS & RECOMMENDATIONS (CONTINUED):

- VOLVO VDS-3
- MACK EO-N
- DETROIT DIESEL 93K215
- ALLISON C-4
- CAT TO-2
- CASE MS 1121
- IVECO 18-1804 CLASSE T2 E7
- CUMMINS CES 20071/2
- NH 330 H

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.887	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	105	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	14.1	mm ² /s
Viscosity Index	ASTM D 2270	136	-
TBN	ASTM D 2896	10.1	mg KOH/g
Flash Point, CoC	ASTM D 92	230	°C
Pour Point	ASTM D 97	-30	°C
Dynamic Viscosity @ - 20 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 10W40 (API-CD-SF)



High-performance multi grade engine oils for diesel and gasoline engines

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 10W40 is used for the necessary streamlining of lubricants, above all for vehicle and equipment fleets.

The right engine oil is available with QATOL DIESEL ENGINE OIL SAE 10W40. Whether continuously at full throttle or in STOP and GO operation, QATOL DIESEL ENGINE OIL SAE 10W40 protects against wear, deposits and corrosion all the time with the lowest oil consumption.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 10W40 is specially engineered for four cycle diesel engines of various mobile and stationary applications, which require the use of API CD compliant engine oils and operate in different climate conditions.

FEATURES AND BENEFITS:

- The combination of outstanding lubrication characteristics of mineral base stocks and detergent inhibitors provide highly effective performance of industrial diesel engines with minimal costs.
- Mineral base oils in product formulation possess good emulsifying characteristics, thus they provide the possibility of using hydraulic systems of mobile equipment in various climate conditions, including those with increased air humidity.
- Time proven balanced formulation of oil contributes to maintaining overall durability of engine.

SPECIFICATIONS:

API CD/SF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.86	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	120	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15.5	mm ² /s
Viscosity Index	ASTM D 2270	136	-
TBN	ASTM D 2896	5	mg KOH/g
Flash Point, CoC	ASTM D 92	224	°C
Pour Point	ASTM D 97	-39	°C
Dynamic Viscosity @ - 25 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 10W40 (API-CF-SF)



High quality diesel engine oil for naturally aspirated and Turbo Charger engines

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 10W40 is a heavy-duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under severe conditions.

QATOL DIESEL ENGINE OIL SAE 10W40 is suitable for use in a wide range of on- and off-highway applications where an API CF oil is recommended.

QATOL DIESEL ENGINE OIL SAE 10W40 is based on high quality base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

APPLICATIONS:

- QATOL DIESEL ENGINE OIL SAE 10W40 are suitable for:
- Heavy duty diesel engine oil for most severe applications of modern on- and off-highway diesel engines.
- Off-highway industries including: trucking, construction, quarrying, and agriculture

FEATURES AND BENEFITS:

- Environment friendly
- Exhibits easier cold weather starting
- Resists breakdown at high temperatures.
- Resisting deposits caused by soot and acids
- Withstands the stress of heat, wear and corrosion
- Longer drain intervals and smooth running of engines.
- Good compatibility with rubber to Protect rubber seals.
- Highly efficient in dispersancy and detergency keeps engine clean.
- Improved low temperature sludge control in frequent stop-and-go service.
- Reduced oil consumption due to improved high temperature performance.

SPECIFICATIONS:

API CF/SF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.86	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	120	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15.5	mm ² /s
Viscosity Index	ASTM D 2270	136	-
TBN	ASTM D 2896	8.5	mg KOH/g
Flash Point, CoC	ASTM D 92	224	°C
Pour Point	ASTM D 97	-39	°C
Dynamic Viscosity @ - 25 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER POWER DIESEL ENGINE OIL SAE 10W40 (API-CF4/SL)



high-quality heavy-duty Multi grade Diesel Engine Oil.

PRODUCT DESCRIPTION:

QATOL DIESEL ENGINE OIL SAE 10W40 is a high-quality heavy-duty engine oil. This product can be used in 4-stroke gasoline and diesel engines. This product can be used all year round and is intended for passenger cars, light vans and trucks. This product is particularly suitable for large mixed fleets and can be used in diesel engines that are naturally aspirated and/ or equipped with turbochargers. This formulation includes high detergent and dispersant additives and is specifically developed to function well in extreme working conditions.

APPLICATIONS:

QATOL DIESEL ENGINE OIL SAE 10W40 recommended for both diesel and gasoline engines, which are naturally aspirated, turbo-charged or super charged.

QATOL DIESEL ENGINE OIL SAE 10W40 recommended for use in European, Japanese, and US turbocharged and non-turbocharged diesel engines. Also, it is most suitable for automotive petrol engines and 4-wheel drives due to the high level of detergents/dispersants that provide excellent protection from typical city stop/start operation that promotes acid sludge formation.

BENEFITS:

- Excellent oxidation and thermal stability under severe operation.
- Super detergent-dispersant characteristics.
- Prevents harmful foaming.
- Excellent anti-corrosion and anti-rust properties.
- Prolongs engine life and improves running efficiency
- Excellent TBN retention effectively neutralizing the acidic by-products of combustion

SPECIFICATIONS:

API CF-4/SL

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.86	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	109	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15	mm ² /s
Viscosity Index	ASTM D 2270	144	-
TBN	ASTM D 2896	11.9	mg KOH/g
Flash Point, CoC	ASTM D 92	236	°C
Pour Point	ASTM D 97	-45	°C
Dynamic Viscosity @ - 25 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

AUTOMOTIVE ENGINE OIL

GASOLINE ENGINE OIL

MONO GRADE GASOLINE ENGINE OIL



QATOL SUPER GT GASOLINE ENGINE OIL SAE 40 (API-SF/CF)

High quality motor oil for gasoline engines

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 40 is high quality motor oil intended for use in gasoline engines.

QATOL GASOLINE ENGINE OIL SAE 40 is a multi-functional mono-grade mineral engine oil for older gasoline, diesel and LPG engines of passenger car and light vans with or without turbo compressor.

APPLICATIONS:

QATOL GASOLINE ENGINE OIL SAE 40 is designed for use in gasoline engines as well as some normally-aspirated diesel engines working under light to moderate service conditions. It may also be used in LPG (Liquefied Petroleum Gas) fueled applications and for stationary equipment e.g. gasoline / diesel generators where an oil meeting its performance specifications is required.

FEATURES AND BENEFITS:

- Increase engine cleanliness.
- Best protection against wear and corrosion.
- Improve intervals between oil drain.
- Less oil consumption.
- Reduce inventory costs for mixed fleet operations.

SPECIFICATIONS:

API SF/CF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.88	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	152	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15	mm ² /s
Viscosity Index	ASTM D 2270	98	-
TBN	ASTM D 2896	6.5	mg KOH/g
Flash Point, CoC	ASTM D 92	237	°C
Pour Point	ASTM D 97	-27	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 40 (API-SJ/CF)

High quality motor oil for gasoline engines



PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 40 is high quality motor oil intended for use in gasoline engines.

QATOL GASOLINE ENGINE OIL SAE 40 is a multi-functional mono-grade mineral engine oil for older gasoline, diesel and LPG engines of passenger car and light vans with or without turbo compressor.

APPLICATIONS:

QATOL GASOLINE ENGINE OIL SAE 40 is designed for use in gasoline engines as well as some normally-aspirated diesel engines working under light to moderate service conditions. It may also be used in LPG (Liquefied Petroleum Gas) fueled applications and for stationary equipment e.g. gasoline / diesel generators where an oil meeting its performance specifications is required.

FEATURES AND BENEFITS:

- Increase engine cleanliness.
- Best protection against wear and corrosion.
- Improve intervals between oil drain.
- Less oil consumption.
- Reduce inventory costs for mixed fleet operations.

SPECIFICATIONS:

API SJ/CF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.88	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	152	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15	mm ² /s
Viscosity Index	ASTM D 2270	98	-
TBN	ASTM D 2896	6.8	mg KOH/g
Flash Point, CoC	ASTM D 92	237	°C
Pour Point	ASTM D 97	-27	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 40 (API-SL/CF4)



high-performance heavy-duty engine oils primarily recommended for use in gasoline automotive engines of passenger cars, commercial vehicles and farm equipment.

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 40 is high quality motor oil intended for use in gasoline engines.

QATOL GASOLINE ENGINE OIL SAE 40 is made from high quality mineral base oils and an advanced additive system to provide the best performance required for modern combustion engines. It has an effective balance of detergents and dispersants to reduce the formation of sludge and deposits, retain alkalinity and reduce wear.

APPLICATIONS:

QATOL GASOLINE ENGINE OIL SAE 40 is intended for the lubrication of gasoline engines for passenger cars, commercial vehicles and farm equipment as well as diesel engines for commercial vehicles and contractor equipment.

QATOL GASOLINE ENGINE OIL SAE 40 is designed for use in gasoline engines as well as some normally-aspirated diesel engines working under light to moderate service conditions. It may also be used in LPG (Liquefied Petroleum Gas) fueled applications and for stationary equipment e.g. gasoline / diesel generators where an oil meeting its performance specifications is required.

FEATURES AND BENEFITS:

- Increase engine cleanliness.
- Best protection against wear and corrosion.
- Improve intervals between oil drain.
- Less oil consumption.
- Reduce inventory costs for mixed fleet operations.

SPECIFICATIONS:

API SL/CF4

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.88	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	152	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15	mm ² /s
Viscosity Index	ASTM D 2270	98	-
TBN	ASTM D 2896	7.5	mg KOH/g
Flash Point, CoC	ASTM D 92	240	°C
Pour Point	ASTM D 97	-27	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 50 (API-SF/CF)

High quality motor oil for gasoline engines



PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 50 is high quality motor oil intended for use in gasoline engines.

QATOL GASOLINE ENGINE OIL SAE 50 is a multi-functional mono-grade mineral engine oil for older gasoline, diesel and LPG engines of passenger car and light vans with or without turbo compressor.

APPLICATIONS:

QATOL GASOLINE ENGINE OIL SAE 50 is designed for use in gasoline engines as well as some normally-aspirated diesel engines working under light to moderate service conditions. It may also be used in LPG (Liquefied Petroleum Gas) fueled applications and for stationary equipment e.g. gasoline / diesel generators where an oil meeting its performance specifications is required.

FEATURES AND BENEFITS:

- Increase engine cleanliness.
- Best protection against wear and corrosion.
- Improve intervals between oil drain.
- Less oil consumption.
- Reduce inventory costs for mixed fleet operations.

SPECIFICATIONS:

API SF/CF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.886	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	215	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	18.6	mm ² /s
Viscosity Index	ASTM D 2270	96	-
TBN	ASTM D 2896	6.5	mg KOH/g
Flash Point, CoC	ASTM D 92	250	°C
Pour Point	ASTM D 97	-21	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 50 (API-SJ/CF)

High quality motor oil for gasoline engines



PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 50 is high quality motor oil intended for use in gasoline engines.

QATOL GASOLINE ENGINE OIL SAE 50 is a multi-functional mono-grade mineral engine oil for older gasoline, diesel and LPG engines of passenger car and light vans with or without turbo compressor.

APPLICATIONS:

QATOL GASOLINE ENGINE OIL SAE 50 is designed for use in gasoline engines as well as some normally-aspirated diesel engines working under light to moderate service conditions. It may also be used in LPG (Liquefied Petroleum Gas) fueled applications and for stationary equipment e.g. gasoline / diesel generators where an oil meeting its performance specifications is required.

FEATURES AND BENEFITS:

- Increase engine cleanliness.
- Best protection against wear and corrosion.
- Improve intervals between oil drain.
- Less oil consumption.
- Reduce inventory costs for mixed fleet operations.

SPECIFICATIONS:

API SJ/CF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.886	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	215	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	18.6	mm ² /s
Viscosity Index	ASTM D 2270	96	-
TBN	ASTM D 2896	6.8	mg KOH/g
Flash Point, CoC	ASTM D 92	250	°C
Pour Point	ASTM D 97	-21	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 50 (API-SL/CF4)

High-performance heavy-duty engine oils primarily recommended for use in gasoline automotive engines of passenger cars, commercial vehicles and farm equipment.



PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 50 is high quality motor oil intended for use in gasoline engines.

QATOL GASOLINE ENGINE OIL SAE 50 is made from high quality mineral base oils and an advanced additive system to provide the best performance required for modern combustion engines. It has an effective balance of detergents and dispersants to reduce the formation of sludge and deposits, retain alkalinity and reduce wear.

APPLICATIONS:

QATOL GASOLINE ENGINE OIL SAE 50 is intended for the lubrication of gasoline engines for passenger cars, commercial vehicles and farm equipment as well as diesel engines for commercial vehicles and contractor equipment.

QATOL GASOLINE ENGINE OIL SAE 50 is designed for use in gasoline engines as well as some normally-aspirated diesel engines working under light to moderate service conditions. It may also be used in LPG (Liquefied Petroleum Gas) fueled applications and for stationary equipment e.g. gasoline / diesel generators where an oil meeting its performance specifications is required.

FEATURES AND BENEFITS:

- Increase engine cleanliness.
- Best protection against wear and corrosion.
- Improve intervals between oil drain.
- Less oil consumption.
- Reduce inventory costs for mixed fleet operations.

SPECIFICATIONS:

API SL/CF4

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.886	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	215	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	18.6	mm ² /s
Viscosity Index	ASTM D 2270	96	-
TBN	ASTM D 2896	7.5	mg KOH/g
Flash Point, CoC	ASTM D 92	250	°C
Pour Point	ASTM D 97	-21	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

AUTOMOTIVE ENGINE OIL

GASOLINE ENGINE OIL

MULTI GRADE GASOLINE ENGINE OIL

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 0W20 (API-SN)



Premium quality full synthetic motor oil. Formulated for ultimate performance and protection under all operating conditions

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 0W20 is a fully synthetic high end engine oil for passenger cars designed to meet the tough demands of many current petrol and diesel car engines.

QATOL GASOLINE ENGINE OIL SAE 0W20 is designed for modern engines that require a high level of protection.

This Ultra High Performance Engine Oil can be used all over the year. The good cold flow properties of QATOL GASOLINE ENGINE OIL SAE 0W20 are ensuring fastest lubrication at all parts of the engine. Friction and wear will be reduced and by that the fuel efficiency improved.

QATOL GASOLINE ENGINE OIL SAE 0W20 provides a safe layer of lubrication even at very high operating temperatures and protects from corrosion and loss of oil through oxidation or coking. The excellent cold start behavior ensures optimum lubrication safety during the cold running phase.

APPLICATIONS:

- Specially formulated for use in cars and light trucks and vans, including petrol, diesel, and LPG engines, where a 0W-30 is recommended.
- shall be used for passenger cars and light duty vehicles with gasoline engines, As all season's motor oil.
- QATOL GASOLINE ENGINE OIL SAE 0W20 offers good cold start and fuel economy in the winter as well as high thermal stability in summer.
- The synthetic technology formulation brings significant improvement of all properties compared to mineral engine oils.
- Suitable & exceeds the performance level of most European, Japanese and American car manufactures.

FEATURES AND BENEFITS:

- Formulated for reliable protection against harmful sludge and varnish formation and helps improve engine performance.
- Improved Fuel Economy & Reduction in Emission.
- Outstanding oxidation Stability at high temperatures.
- Excellent Engine cleanliness and water resistance.
- Superior engine protection & eliminates seasonal Oil change.
- Ensuring sustainable high performance and extended oil drain intervals.
- Excellent shear stability, maintains viscosity grade.
- Low evaporation loss
- Sustainable wear protection for all engines

SPECIFICATIONS:

API SN

ILSAC GF-5

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 0W20 (API-SN) (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 15 °C	ASTM D 4052	0.84	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	40	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	8	mm ² /s
Viscosity Index	ASTM D 2270	177	-
Flash Point, CoC	ASTM D 92	220	°C
Pour Point	ASTM D 97	-48	°C
Dynamic Viscosity @ - 35 °C	ASTM D 5293	<6200	cP

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 0W30 (API-SN)



Premium quality full synthetic motor oil. Formulated for ultimate performance and protection under all operating conditions

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 0W30 is a fully synthetic high end engine oil for passenger cars designed to meet the tough demands of many current petrol and diesel car engines.

QATOL GASOLINE ENGINE OIL SAE 0W30 is designed for modern engines that require a high level of protection.

This Ultra High Performance Engine Oil can be used all over the year. The good cold flow properties of QATOL GASOLINE ENGINE OIL SAE 0W30 are ensuring fastest lubrication at all parts of the engine. Friction and wear will be reduced and by that the fuel efficiency improved.

QATOL GASOLINE ENGINE OIL SAE 0W30 provides a safe layer of lubrication even at very high operating temperatures and protects from corrosion and loss of oil through oxidation or coking. The excellent cold start behavior ensures optimum lubrication safety during the cold running phase.

APPLICATIONS:

- Specially formulated for use in cars and light trucks and vans, including petrol, diesel, and LPG engines, where a 0W-30 is recommended.
- shall be used for passenger cars and light duty vehicles with gasoline engines, As all season's motor oil.
- QATOL GASOLINE ENGINE OIL SAE 0W30 offers good cold start and fuel economy in the winter as well as high thermal stability in summer.
- The synthetic technology formulation brings significant improvement of all properties compared to mineral engine oils.
- Suitable & exceeds the performance level of most European, Japanese and American car manufactures.

FEATURES AND BENEFITS:

- Formulated for reliable protection against harmful sludge and varnish formation and helps improve engine performance.
- Improved Fuel Economy & Reduction in Emission.
- Outstanding oxidation Stability at high temperatures.
- Excellent Engine cleanliness and water resistance.
- Superior engine protection & eliminates seasonal Oil change.
- Ensuring sustainable high performance and extended oil drain intervals.
- Excellent shear stability, maintains viscosity grade.
- Low evaporation loss
- Sustainable wear protection for all engines

SPECIFICATIONS:

API SN

ILSAC GF-5

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 0W30 (API-SN) (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 15 °C	ASTM D 4052	0.84	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	61.9	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	11.2	mm ² /s
Viscosity Index	ASTM D 2270	177	-
Flash Point, CoC	ASTM D 92	220	°C
Pour Point	ASTM D 97	-48	°C
Dynamic Viscosity @ - 35 °C	ASTM D 5293	<6200	cP

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 5W20 (API-SN)



Ultra-High Performance, extreme fuel-economy oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 5W20 is Ultra High Performance, extreme fuel-economy oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.

This Ultra High Performance Engine Oil can be used all over the year. The good cold flow properties of QATOL GASOLINE ENGINE OIL SAE 5W20 are ensuring fastest lubrication at all parts of the engine. Friction and wear will be reduced and by that the fuel efficiency improved.

QATOL GASOLINE ENGINE OIL SAE 5W20 guaranties engine durability under city conditions as well as under top speed highway running conditions.

APPLICATIONS:

- For all types of modern gasoline-powered engines found in passenger cars, SUVs, light vans and light trucks.
- shall be used for passenger cars and light duty vehicles with gasoline engines, As all season's motor oil.
- QATOL GASOLINE ENGINE OIL SAE 5W20 offers good cold start and fuel economy in the winter as well as high thermal stability in summer.
- The synthetic technology formulation brings significant improvement of all properties compared to mineral engine oils.
- All types of gasoline Sports cars with large displacements and high outputs, high-performance passenger cars, racing- specification cars, etc.
- Suitable & exceeds the performance level of most European, Japanese and American car manufactures.

FEATURES AND BENEFITS:

- Formulated for reliable protection against harmful sludge and varnish formation and helps improve engine performance.
- Improved Fuel Economy & Reduction in Emission.
- Outstanding oxidation Stability at high temperatures.
- Excellent Engine cleanliness and water resistance.
- Superior engine protection & eliminates seasonal Oil change.
- Ensuring sustainable high performance and extended oil drain intervals.
- Excellent shear stability, maintains viscosity grade.
- Low evaporation loss
- Sustainable wear protection for all engines

SPECIFICATIONS:

API SN

ILSAC GF-5

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 5W20 (API-SN) (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.83	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	47.6	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	8.5	mm ² /s
Viscosity Index	ASTM D 2270	156	-
Flash Point, CoC	ASTM D 92	220	°C
Pour Point	ASTM D 97	-42	°C
Dynamic Viscosity @ - 30 °C	ASTM D 5293	<6600	cP

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 5W30 (API-SN)



Ultra-High Performance, extreme fuel-economy oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 5W30 is Ultra High Performance, extreme fuel-economy oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.

This Ultra High Performance Engine Oil can be used all over the year. The good cold flow properties of QATOL GASOLINE ENGINE OIL SAE 5W30 are ensuring fastest lubrication at all parts of the engine. Friction and wear will be reduced and by that the fuel efficiency improved.

QATOL GASOLINE ENGINE OIL SAE 5W30 guaranties engine durability under city conditions as well as under top speed highway running conditions.

APPLICATIONS:

- For all types of modern gasoline-powered engines found in passenger cars, SUVs, light vans and light trucks.
- shall be used for passenger cars and light duty vehicles with gasoline engines, As all season's motor oil.
- QATOL GASOLINE ENGINE OIL SAE 5W30 offers good cold start and fuel economy in the winter as well as high thermal stability in summer.
- The synthetic technology formulation brings significant improvement of all properties compared to mineral engine oils.
- All types of gasoline Sports cars with large displacements and high outputs, high-performance passenger cars, racing- specification cars, etc.
- Suitable & exceeds the performance level of most European, Japanese and American car manufactures.

FEATURES AND BENEFITS:

- Formulated for reliable protection against harmful sludge and varnish formation and helps improve engine performance.
- Improved Fuel Economy & Reduction in Emission.
- Outstanding oxidation Stability at high temperatures.
- Excellent Engine cleanliness and water resistance.
- Superior engine protection & eliminates seasonal Oil change.
- Ensuring sustainable high performance and extended oil drain intervals.
- Excellent shear stability, maintains viscosity grade.
- Low evaporation loss
- Sustainable wear protection for all engines

SPECIFICATIONS:

API SN

ILSAC GF-5

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 5W30 (API-SN) (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.835	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	63.3	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	10.5	mm ² /s
Viscosity Index	ASTM D 2270	158	-
Flash Point, CoC	ASTM D 92	228	°C
Pour Point	ASTM D 97	-42	°C
Dynamic Viscosity @ - 30 °C	ASTM D 5293	<6600	cP

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 5W40 (API-SN)



Ultra-High Performance, extreme fuel-economy oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 5W40 is Ultra High Performance, extreme fuel-economy oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.

This Ultra High Performance Engine Oil can be used all over the year. The good cold flow properties of QATOL GASOLINE ENGINE OIL SAE 5W40 are ensuring fastest lubrication at all parts of the engine. Friction and wear will be reduced and by that the fuel efficiency improved.

QATOL GASOLINE ENGINE OIL SAE 5W40 guaranties engine durability under city conditions as well as under top speed highway running conditions.

APPLICATIONS:

- For all types of modern gasoline-powered engines found in passenger cars, SUVs, light vans and light trucks.
- shall be used for passenger cars and light duty vehicles with gasoline engines, As all season's motor oil.
- QATOL GASOLINE ENGINE OIL SAE 5W40 offers good cold start and fuel economy in the winter as well as high thermal stability in summer.
- The synthetic technology formulation brings significant improvement of all properties compared to mineral engine oils.
- All types of gasoline Sports cars with large displacements and high outputs, high-performance passenger cars, racing- specification cars, etc.
- Suitable & exceeds the performance level of most European, Japanese and American car manufactures.

FEATURES AND BENEFITS:

- Formulated for reliable protection against harmful sludge and varnish formation and helps improve engine performance.
- Improved Fuel Economy & Reduction in Emission.
- Outstanding oxidation Stability at high temperatures.
- Excellent Engine cleanliness and water resistance.
- Superior engine protection & eliminates seasonal Oil change.
- Ensuring sustainable high performance and extended oil drain intervals.
- Excellent shear stability, maintains viscosity grade.
- Low evaporation loss
- Sustainable wear protection for all engines

SPECIFICATIONS:

API SN

ILSAC GF-5

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 5W40 (API-SN) (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.839	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	85	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	14	mm ² /s
Viscosity Index	ASTM D 2270	170	-
Flash Point, CoC	ASTM D 92	230	°C
Pour Point	ASTM D 97	-39	°C
Dynamic Viscosity @ - 30 °C	ASTM D 5293	<6600	cP

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 10W40 (API-SN)



Ultra-High Performance, extreme fuel-economy oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 10W40 is Ultra High Performance, extreme fuel-economy oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.

This Ultra High Performance Engine Oil can be used all over the year. The good cold flow properties of QATOL GASOLINE ENGINE OIL SAE 10W40 are ensuring fastest lubrication at all parts of the engine. Friction and wear will be reduced and by that the fuel efficiency improved.

QATOL GASOLINE ENGINE OIL SAE 10W40 guaranties engine durability under city conditions as well as under top speed highway running conditions.

APPLICATIONS:

- for all types of modern gasoline-powered engines found in passenger cars, SUVs, light vans and light trucks.
- shall be used for passenger cars and light duty vehicles with gasoline engines, As all season's motor oil.
- QATOL GASOLINE ENGINE OIL SAE 10W40 offers good cold start and fuel economy in the winter as well as high thermal stability in summer.
- The synthetic technology formulation brings significant improvement of all properties compared to mineral engine oils.
- All types of gasoline Sports cars with large displacements and high outputs, high-performance passenger cars, racing- specification cars, etc.
- Suitable & exceeds the performance level of most European, Japanese and American car manufactures.

FEATURES AND BENEFITS:

- Formulated for reliable protection against harmful sludge and varnish formation and helps improve engine performance.
- Improved Fuel Economy & Reduction in Emission.
- Outstanding oxidation Stability at high temperatures.
- Excellent Engine cleanliness and water resistance.
- Superior engine protection & eliminates seasonal Oil change.
- Ensuring sustainable high performance and extended oil drain intervals.
- Excellent shear stability, maintains viscosity grade.
- Low evaporation loss
- Sustainable wear protection for all engines

SPECIFICATIONS:

API SN

ILSAC GF-5

QATOL SUPER PLUS GASOLINE ENGINE OIL SAE 10W40 (API-SN) (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.85	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	93.9	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	14	mm ² /s
Viscosity Index	ASTM D 2270	153	-
Flash Point, CoC	ASTM D 92	230	°C
Pour Point	ASTM D 97	-36	°C
Dynamic Viscosity @ - 25 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 10W30 (API-SF/CD)



High Performance motor oil for passenger cars.

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 10W30 Multi grade engine oil for the lubrication of gasoline and diesel engines of passenger cars with natural aspiration or turbo charging. This oil is characterized by a combination of good detergent and good dispersion properties.

APPLICATIONS:

Modern automotive engines are subjecting the motor oil to increasingly severe conditions. Increased power output, extended drain intervals, more stop-go operation and high operating temperatures are additional factors influencing the need for higher motor oil quality. QATOL GASOLINE ENGINE OIL SAE 10W30 oils have been specially developed to cope with these arduous conditions using stringent performance tests.

QATOL GASOLINE ENGINE OIL SAE 10W30 is recommended for four-stroke gasoline engines, used in cars, light trucks, motorcycles, some types of boats and other mobile and stationary equipment when a lubricant that meets API SF classification is required by the manufacturer.

QATOL GASOLINE ENGINE OIL SAE 10W30 can also be used in vehicles fueled by compressed natural gas (CNG) and liquefied petroleum gas (LPG) when a product of API SF classification is required.

FEATURES AND BENEFITS:

- Superior engine protection during start up
- Superior engine wear protection
- Minimizes sludge formation
- Reduces wear by controlling soot deposits
- Extension of engine's lifetime
- Reduced high temperature engine deposits
- Reduces wear due to advanced base oils
- Can be used in both Diesel & LPG engines
- Provides improved fuel economy
- Suitable for hydraulically actuated injectors
- Safe for wet clutch motorcycles
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures

SPECIFICATIONS:

API SF/CD

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.85	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	77	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	11.5	mm ² /s
Viscosity Index	ASTM D 2270	142	-
TBN	ASTM D 2896	6	mg KOH/g
Flash Point, CoC	ASTM D 92	224	°C
Pour Point	ASTM D 97	-45	°C
Dynamic Viscosity @ -25 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L

QATOL SUPER GT GASOLINE ENGINE OIL SAE 10W30 (API-SL/CF)



High-performance, gasoline engine passenger cars oil

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 10W30 is premium quality passenger car motor oil developed for modern, high-output, multi valve, turbocharged & supercharged Gasoline powered passenger cars and Diesel-powered light duty vehicles. 10W30 is superior grade, highly shear-stable, multi-grade gasoline engine oil formulated for passenger cars and light truck engines requiring API SL performance under all operating conditions. This oil is formulated with high viscosity index mineral oil utilizing latest additive technology, shear stable polymer and efficient detergent additive package to provide reliable engine protection under extremely severe operating condition

APPLICATIONS:

- Petrol engines in present and earlier passenger cars, sport utility vehicles, vans and light trucks working under normal operating conditions and following vehicle manufacturers' recommended maintenance procedures.
- Direct and indirect injection diesel engines, which may be naturally aspirated, turbocharged or supercharged, working under high loads.
- High performance normally aspirated and turbocharged gasoline engines
- Four stroke motorcycle engines where motor oils are recommended
- Japanese and American manufactured cars
- Light commercial vehicles

FEATURES AND BENEFITS:

- Superior thermo-Oxidative stability minimizes deposits & sludge build-up and reduces oil thickening, thereby facilitating extended oil life and active cleaning agents ensure engine cleanliness.
- Excellent anti-wear technology minimizes engine wear and thereby reduce maintenance cost. 3. Superior dispersants provide excellent control over soot induced oil thickening.
- Suitable for use in gas fueled (CNG & LPG) spark ignition where conventional passenger car motor oils are recommended.
- Prolongs engine life through outstanding wear and deposit control even under the most severe operating conditions.
- Superior viscosity retention ensures protection at all operating temperatures.
- Ensures maximum engine performance and reduced maintenance cost by ensuring excellent engine cleanliness and lower combustion residues.
- Longer oil life due to high Oxidation Stability.

SPECIFICATIONS:

API SL/CF

QATOL SUPER GT GASOLINE ENGINE OIL SAE 10W30 (API-SL/CF) (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.85	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	77	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	11.5	mm ² /s
Viscosity Index	ASTM D 2270	142	-
TBN	ASTM D 2896	6.1	mg KOH/g
Flash Point, CoC	ASTM D 92	228	°C
Pour Point	ASTM D 97	-45	°C
Dynamic Viscosity @ - 25 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 10W40 (API-SF/CD)



High Performance motor oil for passenger cars.

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 10W40 Multi grade engine oil for the lubrication of gasoline and diesel engines of passenger cars with natural aspiration or turbo charging. This oil is characterized by a combination of good detergent and good dispersion properties.

APPLICATIONS:

Modern automotive engines are subjecting the motor oil to increasingly severe conditions. Increased power output, extended drain intervals, more stop-go operation and high operating temperatures are additional factors influencing the need for higher motor oil quality. QATOL GASOLINE ENGINE OIL SAE 10W40 oils have been specially developed to cope with these arduous conditions using stringent performance tests.

QATOL GASOLINE ENGINE OIL SAE 10W40 is recommended for four-stroke gasoline engines, used in cars, light trucks, motorcycles, some types of boats and other mobile and stationary equipment when a lubricant that meets API SF classification is required by the manufacturer.

QATOL GASOLINE ENGINE OIL SAE 10W40 can also be used in vehicles fueled by compressed natural gas (CNG) and liquefied petroleum gas (LPG) when a product of API SF classification is required.

FEATURES AND BENEFITS:

- Superior engine protection during start up
- Superior engine wear protection
- Minimizes sludge formation
- Reduces wear by controlling soot deposits
- Extension of engine's lifetime
- Reduced high temperature engine deposits
- Reduces wear due to advanced base oils
- Can be used in both Diesel & LPG engines
- Provides improved fuel economy
- Suitable for hydraulically actuated injectors
- Safe for wet clutch motorcycles
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures

SPECIFICATIONS:

API SF/CD

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.86	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	120	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15.5	mm ² /s
Viscosity Index	ASTM D 2270	136	-
TBN	ASTM D 2896	6	mg KOH/g
Flash Point, CoC	ASTM D 92	230	°C
Pour Point	ASTM D 97	-42	°C
Dynamic Viscosity @ -25 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 10W40 (API-SL/CF)



High-performance, gasoline engine passenger cars oil

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 10W40 is premium quality passenger car motor oil developed for modern, high-output, multi valve, turbocharged & supercharged Gasoline powered passenger cars and Diesel-powered light duty vehicles. 10W40 is superior grade, highly shear-stable, multi-grade gasoline engine oil formulated for passenger cars and light truck engines requiring API SL performance under all operating conditions. This oil is formulated with high viscosity index mineral oil utilizing latest additive technology, shear stable polymer and efficient detergent additive package to provide reliable engine protection under extremely severe operating condition

APPLICATIONS:

- Petrol engines in present and earlier passenger cars, sport utility vehicles, vans and light trucks working under normal operating conditions and following vehicle manufacturers' recommended maintenance procedures.
- Direct and indirect injection diesel engines, which may be naturally aspirated, turbocharged or supercharged, working under high loads.
- High performance normally aspirated and turbocharged gasoline engines
- Four stroke motorcycle engines where motor oils are recommended
- Japanese and American manufactured cars

Light commercial vehicles

FEATURES AND BENEFITS:

- Superior thermo-Oxidative stability minimizes deposits & sludge build-up and reduces oil thickening, thereby facilitating extended oil life and active cleaning agents ensure engine cleanliness.
- Excellent anti-wear technology minimizes engine wear and thereby reduce maintenance cost. 3. Superior dispersants provide excellent control over soot induced oil thickening.
- Suitable for use in gas fueled (CNG & LPG) spark ignition where conventional passenger car motor oils are recommended.
- Prolongs engine life through outstanding wear and deposit control even under the most severe operating conditions.
- Superior viscosity retention ensures protection at all operating temperatures.
- Ensures maximum engine performance and reduced maintenance cost by ensuring excellent engine cleanliness and lower combustion residues.
- Longer oil life due to high Oxidation Stability.

SPECIFICATIONS:

API SL/CF

QATOL SUPER GT GASOLINE ENGINE OIL SAE 10W40 (API-SL/CF) (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.86	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	120	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15.5	mm ² /s
Viscosity Index	ASTM D 2270	136	-
TBN	ASTM D 2896	6.1	mg KOH/g
Flash Point, CoC	ASTM D 92	231	°C
Pour Point	ASTM D 97	-45	°C
Dynamic Viscosity @ - 25 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 15W40 (API-SF/CD)



High Performance motor oil for passenger cars.

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 15W40 Multi grade engine oil for the lubrication of gasoline and diesel engines of passenger cars with natural aspiration or turbo charging. This oil is characterized by a combination of good detergent and good dispersion properties.

APPLICATIONS:

Modern automotive engines are subjecting the motor oil to increasingly severe conditions. Increased power output, extended drain intervals, more stop-go operation and high operating temperatures are additional factors influencing the need for higher motor oil quality. QATOL GASOLINE ENGINE OIL SAE 15W40 oils have been specially developed to cope with these arduous conditions using stringent performance tests.

QATOL GASOLINE ENGINE OIL SAE 15W40 is recommended for four-stroke gasoline engines, used in cars, light trucks, motorcycles, some types of boats and other mobile and stationary equipment when a lubricant that meets API SF classification is required by the manufacturer.

QATOL GASOLINE ENGINE OIL SAE 15W40 can also be used in vehicles fueled by compressed natural gas (CNG) and liquefied petroleum gas (LPG) when a product of API SF classification is required.

FEATURES AND BENEFITS:

- Superior engine protection during start up
- Superior engine wear protection
- Minimizes sludge formation
- Reduces wear by controlling soot deposits
- Extension of engine's lifetime
- Reduced high temperature engine deposits
- Reduces wear due to advanced base oils
- Can be used in both Diesel & LPG engines
- Provides improved fuel economy
- Suitable for hydraulically actuated injectors
- Safe for wet clutch motorcycles
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures

SPECIFICATIONS:

API SF/CD

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.87	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	110	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	13.9	mm ² /s
Viscosity Index	ASTM D 2270	126	-
TBN	ASTM D 2896	6	mg KOH/g
Flash Point, CoC	ASTM D 92	230	°C
Pour Point	ASTM D 97	-30	°C
Dynamic Viscosity @ - 20 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L

QATOL SUPER GT GASOLINE ENGINE OIL SAE 15W40 (API-SL/CF)



High-performance, gasoline engine passenger cars oil

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 15W40 is premium quality passenger car motor oil developed for modern, high-output, multi valve, turbocharged & supercharged Gasoline powered passenger cars and Diesel-powered light duty vehicles. 15W40 is superior grade, highly shear-stable, multi-grade gasoline engine oil formulated for passenger cars and light truck engines requiring API SL performance under all operating conditions. This oil is formulated with high viscosity index mineral oil utilizing latest additive technology, shear stable polymer and efficient detergent additive package to provide reliable engine protection under extremely severe operating condition

APPLICATIONS:

- Petrol engines in present and earlier passenger cars, sport utility vehicles, vans and light trucks working under normal operating conditions and following vehicle manufacturers' recommended maintenance procedures.
- Direct and indirect injection diesel engines, which may be naturally aspirated, turbocharged or supercharged, working under high loads.
- High performance normally aspirated and turbocharged gasoline engines
- Four stroke motorcycle engines where motor oils are recommended
- Japanese and American manufactured cars
- Light commercial vehicles

FEATURES AND BENEFITS:

- Superior thermo-Oxidative stability minimizes deposits & sludge build-up and reduces oil thickening, thereby facilitating extended oil life and active cleaning agents ensure engine cleanliness.
- Excellent anti-wear technology minimizes engine wear and thereby reduce maintenance cost. 3. Superior dispersants provide excellent control over soot induced oil thickening.
- Suitable for use in gas fueled (CNG & LPG) spark ignition where conventional passenger car motor oils are recommended.
- Prolongs engine life through outstanding wear and deposit control even under the most severe operating conditions.
- Superior viscosity retention ensures protection at all operating temperatures.
- Ensures maximum engine performance and reduced maintenance cost by ensuring excellent engine cleanliness and lower combustion residues.
- Longer oil life due to high Oxidation Stability.

SPECIFICATIONS:

API SL/CF

QATOL SUPER GT GASOLINE ENGINE OIL SAE 15W40 (API-SL/CF) (Continued)

KEY PROPERTIES:

Properties	TEST METHOD	Typical Values	UNIT
Density @ 35 °C	ASTM D 4052	0.87	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	110	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	13.9	mm ² /s
Viscosity Index	ASTM D 2270	126	-
TBN	ASTM D 2896	6.1	mg KOH/g
Flash Point, CoC	ASTM D 92	230	°C
Pour Point	ASTM D 97	-30	°C
Dynamic Viscosity @ - 20 °C	ASTM D 5293	<7000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 20W50 (API-SF/CD)



High Performance motor oil for passenger cars.

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 20W50 Multi grade engine oil for the lubrication of gasoline and diesel engines of passenger cars with natural aspiration or turbo charging. This oil is characterized by a combination of good detergent and good dispersion properties.

APPLICATIONS:

Modern automotive engines are subjecting the motor oil to increasingly severe conditions. Increased power output, extended drain intervals, more stop-go operation and high operating temperatures are additional factors influencing the need for higher motor oil quality. QATOL GASOLINE ENGINE OIL SAE 20W50 oils have been specially developed to cope with these arduous conditions using stringent performance tests.

QATOL GASOLINE ENGINE OIL SAE 20W50 is recommended for four-stroke gasoline engines, used in cars, light trucks, motorcycles, some types of boats and other mobile and stationary equipment when a lubricant that meets API SF classification is required by the manufacturer.

QATOL GASOLINE ENGINE OIL SAE 20W50 can also be used in vehicles fueled by compressed natural gas (CNG) and liquefied petroleum gas (LPG) when a product of API SF classification is required.

FEATURES AND BENEFITS:

- Superior engine protection during start up
- Superior engine wear protection
- Minimizes sludge formation
- Reduces wear by controlling soot deposits
- Extension of engine's lifetime
- Reduced high temperature engine deposits
- Reduces wear due to advanced base oils
- Can be used in both Diesel & LPG engines
- Provides improved fuel economy
- Suitable for hydraulically actuated injectors
- Safe for wet clutch motorcycles
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures

SPECIFICATIONS:

API SF/CD

KEY PROPERTIES:

Properties	TEST METHOD	Typical Values	UNIT
Density @ 35 °C	ASTM D 4052	0.88	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	166	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	19	mm ² /s
Viscosity Index	ASTM D 2270	127	-
TBN	ASTM D 2896	6	mg KOH/g
Flash Point, CoC	ASTM D 92	240	°C
Pour Point	ASTM D 97	-27	°C
Dynamic Viscosity @ -15 °C	ASTM D 5293	<9000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL SUPER GT GASOLINE ENGINE OIL SAE 20W50 (API-SL/CF)



High-performance, gasoline engine passenger cars oil

PRODUCT DESCRIPTION:

QATOL GASOLINE ENGINE OIL SAE 20W50 is premium quality passenger car motor oil developed for modern, high-output, multi valve, turbocharged & supercharged Gasoline powered passenger cars and Diesel-powered light duty vehicles. 20W50 is superior grade, highly shear-stable, multi-grade gasoline engine oil formulated for passenger cars and light truck engines requiring API SL performance under all operating conditions. This oil is formulated with high viscosity index mineral oil utilizing latest additive technology, shear stable polymer and efficient detergent additive package to provide reliable engine protection under extremely severe operating condition

APPLICATIONS:

- Petrol engines in present and earlier passenger cars, sport utility vehicles, vans and light trucks working under normal operating conditions and following vehicle manufacturers' recommended maintenance procedures.
- Direct and indirect injection diesel engines, which may be naturally aspirated, turbocharged or supercharged, working under high loads.
- High performance normally aspirated and turbocharged gasoline engines
- Four stroke motorcycle engines where motor oils are recommended
- Japanese and American manufactured cars
- Light commercial vehicles

FEATURES AND BENEFITS:

- Superior thermo-Oxidative stability minimizes deposits & sludge build-up and reduces oil thickening, thereby facilitating extended oil life and active cleaning agents ensure engine cleanliness.
- Excellent anti-wear technology minimizes engine wear and thereby reduce maintenance cost. Superior dispersants provide excellent control over soot induced oil thickening.
- Suitable for use in gas fueled (CNG & LPG) spark ignition where conventional passenger car motor oils are recommended.
- Prolongs engine life through outstanding wear and deposit control even under the most severe operating conditions.
- Superior viscosity retention ensures protection at all operating temperatures.
- Ensures maximum engine performance and reduced maintenance cost by ensuring excellent engine cleanliness and lower combustion residues.
- Longer oil life due to high Oxidation Stability.

SPECIFICATIONS:

API SL/CF

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.88	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	166	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	19	mm ² /s
Viscosity Index	ASTM D 2270	127	-
TBN	ASTM D 2896	6.1	mg KOH/g
Flash Point, CoC	ASTM D 92	240	°C
Pour Point	ASTM D 97	-27	°C
Dynamic Viscosity @ -15 °C	ASTM D 5293	<9000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

AUTOMOTIVE GEAR OIL

QATOL FLUSHING OIL

Engine & Automotive Flushing Oil



PRODUCT DESCRIPTION:

QATOL FLUSHING OIL is a solvent free, fast acting, engine cleaning formulation that removes engine deposits, sludge and contaminants with the oil service drain.

QATOL FLUSHING OIL is manufactured from high quality light viscosity paraffinic base oils. Its light viscosity efficiently removes the residues from the engines, manual gearboxes, axles and machine tools.

It assists in removing oxidized oil deposits from circulating oil systems and engine crankcases during flushing.

APPLICATIONS:

- QATOL FLUSHING OIL is designed for use in all engine types in passenger cars, 4WD's, light & heavy-duty commercial vehicles, motorcycles, farming, mining, agricultural, industrial equipment.
- QATOL FLUSHING OIL is a non-detergent fluid and therefore can be used with full confidence in calcium sensitive environments.
- QATOL FLUSHING OIL should be filled into the system to be flushed, once the old charge of oil has been removed. The system should be run under light or no-load conditions for 15 to 20 minutes.

FEATURES AND BENEFITS:

- Ensures optimum oil circulation in the engine
- Safe with DPF's and catalytic converters
- Helps condition seals
- Solvent free to prevent engine seal damage
- Minimizes compression loss
- Removes engine deposits with oil drain
- Suitable for all Petrol, Diesel & LPG engines
- Can be used with Mineral or Synthetic Oils
- Removes contaminants that would affect new oil

SERVICE INSTRUCTIONS:

- CAUTION: QATOL FLUSHING OIL is not to be used as engine oil!
- The following steps should be followed if intended to use:
 - Warm up engine.
 - Stop engine and drain the oil while the engine is still warm.
 - Fill sump to a minimum 50% of its capacity with FLUSHING OIL.
 - Start engine and leave it at idle for 20 minutes.
 - Switch the engine off and THOROUGHLY drain the FLUSHING OIL.
 - Replace sump plug and change oil filter.
 - Fill with fresh, fully formulated oil.s

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.86	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	29	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	5	mm ² /s
Viscosity Index	ASTM D 2270	95	-
Flash Point, CoC	ASTM D 92	220	°C
Pour Point	ASTM D 97	-12	°C

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

QATOL GEARMAX GEAR OIL SAE 80W90 API (GL-4)



Multi-purpose gear oil for synchronized and non-synchronized manual gearboxes as well as auxiliary drives, axles and differentials in commercial vehicles and passenger cars

PRODUCT DESCRIPTION:

QATOL GEAR OIL SAE 80W90 Automotive Gear Oil GL-4 is a multipurpose, extreme-pressure, API GL-4 automotive gear lubricant specifically designed for use in select manual transmissions and in drive axles with spiral bevel gears or with hypoid gears operating under moderate speeds and loads. Automotive Gear Oil GL-4 is formulated to provide long service life and excellent gear protection in automotive differentials operating under varying conditions of speed, load, temperature and torque. The carefully balanced formulation is designed to minimize oxidative sludge and varnish formation, reduce wear, prevent scoring damage, and protect against metal fatigue and spalling damage under moderate load conditions. It also is suitable for heavy-duty commercial manual transmissions and transaxles where the OEM specifies an API GL-4 quality oil

APPLICATIONS:

- Service fill of conventional differentials in passenger cars and trucks with spiral bevel gears, or with hypoid gears operating under moderate loads where API GL-5 gear oils are not required
- Service fill of differentials, final drives and transfer cases in some off-highway equipment
- Manual transmissions in trucks, buses and heavy equipment where the manufacturer specifies an API GL-4 gear oil

FEATURES AND BENEFITS:

- Good gear life – Extreme pressure properties protect hypoid and other types of gears from scuffing and wear.
- Rust and corrosion protection – Effective inhibitor package protects against rusting or corrosion of gear and bearing surfaces.
- Market general performance – Acceptable thermal and oxidation stability allows for appropriate gear protection in non-critical operations
- Good lubricant life – Outstanding thermal and oxidation stability allow high temperature operation with long lubricant life.
- Seal Protection – Formulated to protect against oil seal deterioration.

SPECIFICATIONS:

API GL-4

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.87	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	123	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15	mm ² /s
Viscosity Index	ASTM D 2270	125	-
Flash Point, CoC	ASTM D 92	226	°C
Pour Point	ASTM D 97	-36	°C
Brookfield @ - 26 °C	ASTM D 2983	<150000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL GEARMAX GEAR OIL SAE 80W90 API (GL-5)

High quality automotive transmission and differential gear oil meeting the API grade: GL-5



PRODUCT DESCRIPTION:

QATOL GEAR OIL SAE 80W90 oils are high performance, multipurpose, thermally stable, extreme pressure automotive hypoid gear oils formulated to exceed the severe API GL-5 performance standard.

It is designed and manufactured from selected premium quality base oils and specially selected additives system to provide excellent protection for heavy-duty manual transmission of heavily loaded equipment and passenger vehicles

APPLICATIONS:

- Ideal for automotive and truck manual transmissions and differentials
- Excellent for off-road construction and agricultural equipment
- For use in heavy-duty trucks and buses as a final drive lubricant
- Recommended for the lubrication of hypoid, spur, bevel, helical, spiral-bevel and worm gears in differentials, manual transmissions, final drives, transfer cases and steering mechanisms where this type of fluid is recommended.

FEATURES AND BENEFITS:

- High Viscosity Index (VI) base oils improve oxidation resistance
- Excellent thermal stability improves high temperature operation
- Extreme pressure additives prevent gear scuffing and scoring
- Proper frictional control for Limited Slip applications
- Prevents formation of rust and sludge throughout the system
- Prevents corrosion of copper and brass
- Excellent hydrolytic stability
- Excellent resistance to foaming

SPECIFICATIONS:

API GL-5

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.87	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	123	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15	mm ² /s
Viscosity Index	ASTM D 2270	125	-
Flash Point, CoC	ASTM D 92	226	°C
Pour Point	ASTM D 97	-36	°C
Brookfield @ - 26 °C	ASTM D 2983	<150000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL GEARMAX GEAR OIL SAE 90 API (GL-4)

Multi-purpose gear oil for synchronized and non-synchronized manual gearboxes as well as auxiliary drives, axles and differentials in commercial vehicles and passenger cars



PRODUCT DESCRIPTION:

QATOL GEAR OIL SAE 90 Automotive Gear Oil GL-4 is a multipurpose, extreme-pressure, API GL-4 automotive gear lubricant specifically designed for use in select manual transmissions and in drive axles with spiral bevel gears or with hypoid gears operating under moderate speeds and loads. Automotive Gear Oil GL-4 is formulated to provide long service life and excellent gear protection in automotive differentials operating under varying conditions of speed, load, temperature and torque. The carefully balanced formulation is designed to minimize oxidative sludge and varnish formation, reduce wear, prevent scoring damage, and protect against metal fatigue and spalling damage under moderate load conditions. It also is suitable for heavy-duty commercial manual transmissions and transaxles where the OEM specifies an API GL-4 quality oil

APPLICATIONS:

- Service fill of conventional differentials in passenger cars and trucks with spiral bevel gears, or with hypoid gears operating under moderate loads where API GL-5 gear oils are not required
- Service fill of differentials, final drives and transfer cases in some off-highway equipment
- Manual transmissions in trucks, buses and heavy equipment where the manufacturer specifies an API GL-4 gear oil

FEATURES AND BENEFITS:

- Good gear life – Extreme pressure properties protect hypoid and other types of gears from scuffing and wear.
- Rust and corrosion protection – Effective inhibitor package protects against rusting or corrosion of gear and bearing surfaces.
- Market general performance – Acceptable thermal and oxidation stability allows for appropriate gear protection in non-critical operations
- Good lubricant life – Outstanding thermal and oxidation stability allow high temperature operation with long lubricant life.
- Seal Protection – Formulated to protect against oil seal deterioration.

SPECIFICATIONS:

API GL-4

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.887	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	190	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	17	mm ² /s
Viscosity Index	ASTM D 2270	95	-
Flash Point, CoC	ASTM D 92	260	°C
Pour Point	ASTM D 97	-18	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL GEARMAX GEAR OIL SAE 90 API (GL-5)

High quality automotive transmission and differential gear oil meeting the API grade: GL-5



PRODUCT DESCRIPTION:

QATOL GEAR OIL SAE 90 oils are high performance, multipurpose, thermally stable, extreme pressure automotive hypoid gear oils formulated to exceed the severe API GL-5 performance standard.

It is designed and manufactured from selected premium quality base oils and specially selected additives system to provide excellent protection for heavy-duty manual transmission of heavily loaded equipment and passenger vehicles

APPLICATIONS:

- Ideal for automotive and truck manual transmissions and differentials
- Excellent for off-road construction and agricultural equipment
- For use in heavy-duty trucks and buses as a final drive lubricant
- Recommended for the lubrication of hypoid, spur, bevel, helical, spiral-bevel and worm gears in differentials, manual transmissions, final drives, transfer cases and steering mechanisms where this type of fluid is recommended.

FEATURES AND BENEFITS:

- High Viscosity Index (VI) base oils improve oxidation resistance
- Excellent thermal stability improves high temperature operation
- Extreme pressure additives prevent gear scuffing and scoring
- Proper frictional control for Limited Slip applications
- Prevents formation of rust and sludge throughout the system
- Prevents corrosion of copper and brass
- Excellent hydrolytic stability
- Excellent resistance to foaming

SPECIFICATIONS:

API GL-5

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.887	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	190	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	17	mm ² /s
Viscosity Index	ASTM D 2270	95	-
Flash Point, CoC	ASTM D 92	260	°C
Pour Point	ASTM D 97	-18	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL GEARMAX GEAR OIL SAE 85W140 API (GL-4)



Multi-purpose gear oil for synchronized and non-synchronized manual gearboxes as well as auxiliary drives, axles and differentials in commercial vehicles and passenger cars

PRODUCT DESCRIPTION:

QATOL GEAR OIL SAE 85W140 Automotive Gear Oil GL-4 is a multipurpose, extreme-pressure, API GL-4 automotive gear lubricant specifically designed for use in select manual transmissions and in drive axles with spiral bevel gears or with hypoid gears operating under moderate speeds and loads. Automotive Gear Oil GL-4 is formulated to provide long service life and excellent gear protection in automotive differentials operating under varying conditions of speed, load, temperature and torque. The carefully balanced formulation is designed to minimize oxidative sludge and varnish formation, reduce wear, prevent scoring damage, and protect against metal fatigue and spalling damage under moderate load conditions. It also is suitable for heavy-duty commercial manual transmissions and transaxles where the OEM specifies an API GL-4 quality oil

APPLICATIONS:

- Service fill of conventional differentials in passenger cars and trucks with spiral bevel gears, or with hypoid gears operating under moderate loads where API GL-5 gear oils are not required
- Service fill of differentials, final drives and transfer cases in some off-highway equipment
- Manual transmissions in trucks, buses and heavy equipment where the manufacturer specifies an API GL-4 gear oil

FEATURES AND BENEFITS:

- Good gear life – Extreme pressure properties protect hypoid and other types of gears from scuffing and wear.
- Rust and corrosion protection – Effective inhibitor package protects against rusting or corrosion of gear and bearing surfaces.
- Market general performance – Acceptable thermal and oxidation stability allows for appropriate gear protection in non-critical operations
- Good lubricant life – Outstanding thermal and oxidation stability allow high temperature operation with long lubricant life.
- Seal Protection – Formulated to protect against oil seal deterioration.

SPECIFICATIONS:

API GL-4

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.89	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	456	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	31.2	mm ² /s
Viscosity Index	ASTM D 2270	99	-
Flash Point, CoC	ASTM D 92	240	°C
Pour Point	ASTM D 97	-15	°C
Brookfield @ - 12°C	ASTM D 2983	<150000	cP

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

QATOL GEARMAX GEAR OIL SAE 140

API (GL-4)

High quality, mild-EP automotive high-quality transmission and gear oils suitable for cars, trucks, buses and heavy construction equipment



PRODUCT DESCRIPTION:

QATOL GEAR OIL SAE 140 is a high-performance Gear Oil designed to provide excellent lubrication in a wide range of automotive transmissions, axles and final drives. It is formulated from high quality paraffinic base stocks and balanced extreme pressure additives to protect gear components in applications where extreme pressures and shock loading are encountered. It offers effective protection against oxidation degradation and rust & corrosion.

APPLICATIONS:

- Heavy duty non-synchronized manual transmission, axles and final drives where API GL-4 quality oils are specified
- Off - Highway equipment in construction, mining & agriculture.
- Other heavy-Duty application involving hypoid and other gears operating under severe conditions like, high speed/shock load, high speed/low torque and/or low speed/high torque.

FEATURES AND BENEFITS:

- Excellent Extreme Pressure Properties shields against wear under different operating conditions leading to enhanced equipment durability and lower maintenance costs.
- Good low temperature fluidity reduces wear and enables easy start-up under low ambient temperatures.
- Good anti-foam properties ensure film strength for effective lubrication.
- Excellent seal compatibility helps minimize leakages and reduce chances of contamination.
- Superior oxidation and thermal stability
- This Oil shows a superior oxidation and thermal stability and has a good resistance against foaming. Even at higher temperatures an effective lubricating film thickness assures proper lubrication.
- Excellent Resistance for Wear, Corrosion, Foaming and Oxidation
- This Oil shows an excellent resistance against wear, corrosion and foaming as well as oxidation and ageing at elevated temperatures.

SPECIFICATIONS:

API GL-4

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.89	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	351	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	25.8	mm ² /s
Viscosity Index	ASTM D 2270	97	-
Flash Point, CoC	ASTM D 92	265	°C
Pour Point	ASTM D 97	-12	°C

AVAILABLE PACKAGES: 208L, 25L, 20L, 5L, 4L, 1L.

AUTOMATIC TRANSMISSION FLUID (ATF)

QATOL TRANSTEC ATF DEX IID

Universal ATF for all automatic transmissions in commercial vehicles, machinery and passenger cars according to manufacturer's recommendation.



PRODUCT DESCRIPTION:

QATOL ATF DEX IID is a high-quality automatic transmission fluid manufactured from highly refined base stocks and carefully selected additives, to provide a superior performance in the automatic transmission systems of automotive.

QATOL ATF DEX IID provides exemplary performance benefits than a GM Type A Suffix A fluid in terms of the fluid's durability, oxidation resistance, protection for the automatic transmission system against wear & corrosion, while providing wider temperatures of operations.

APPLICATIONS:

QATOL ATF DEX IID is recommended for automatic transmissions and power steering systems of vehicles requiring GM DEXRON®-IID / II/ Type A Suffix A quality fluids. It is also recommended for synchromesh gear boxes and certain manual transmissions, torque converters and hydraulic systems, where such types of fluids are specified.

FEATURES AND BENEFITS:

- Superior durability than Type A Suffix A fluids
- Enhanced oxidation and thermal stability reduce deposit formation
- Superior anti-wear protection to critical parts
- Very high viscosity index and low pour point ensures proper lubrication in both high temperature operation & low starting temperatures
- Compatible with all common elastomers
- Provides good protection against rust and corrosion

SPECIFICATIONS:

GM DEXRON®-IID

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.85	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	35.85	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	7.2	mm ² /s
Viscosity Index	ASTM D 2270	169	-
Flash Point, CoC	ASTM D 92	190	°C
Pour Point	ASTM D 97	-42	°C
Brookfield @ - 40 °C	ASTM D 2983	<50000	cp

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

QATOL TRANSTEC ATF DEX III

Multi-Purpose Automatic Transmission Fluid is designed to protect most passenger car, van and light truck automatic transmissions



PRODUCT DESCRIPTION:

Top-tier Automatic Transmission Fluid, formulated from synthetic bases and specific last generation additives for automatic and servo transmissions. Designed to protect most passenger car, van and light truck automatic transmissions.

QATOL ATF DEX III has outstanding low temperature properties, controlled frictional characteristics, outstanding resistance to oxidation, and can be used in many industrial applications calling for premium hydraulic oils where long life and superior performance are required.

APPLICATIONS:

- QATOL ATF DEX III is recommended for all automatic transmissions and hydraulic systems for which a DEXRON III fluid is required by the manufacturer.
- QATOL ATF DEX III is used in automatic vehicle gears, servo steering, fluid couplings and hydrodynamic converters as well as in hydraulics of passenger cars, commercial vehicles, busses and construction vehicles, if an ATF of DEXRON III - type is recommended.
- Automatic gearboxes.
- Torque converters and couplers.
- Power steering system

FEATURES AND BENEFITS:

- Additional savings that result from using just one fluid for most automatic transmission.
- Oxidation resistance, product is formulated with excellent base stocks and special additives that minimize deterioration of the fluid through use.
- Improved low temperature fluidity, excellent protection against wear during cold operating conditions.
- Transmission cleanliness, the additives prevent formation of deposits which affect the performance of delicate control valves.
- Viscosity index, excellent performance over a wide range of temperatures is possible through the use of high natural viscosity index base oils
- Excellent wear protection of gears, pumps and thrust bearings,
- Excellent anticorrosion and antirust properties,
- Low pour point

SPECIFICATIONS:

GM DEXRON®-III

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.85	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	34.5	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	7	mm ² /s
Viscosity Index	ASTM D 2270	170	-
Flash Point, CoC	ASTM D 92	210	°C
Pour Point	ASTM D 97	-42	°C
Brookfield @ - 40 °C	ASTM D 2983	<25000	cp

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

INDUSTRIAL OIL

HYDRAULIC FLUID

QATOL REDLINE HYDRO HYDRAULIC FLUID (HLP)

Industrial extra heavy duty hydraulic fluid for long life, excellent performance and protection



PRODUCT DESCRIPTION:

QATOL HYDRAULIC FLUIDS ranges are performance anti-wear hydraulic oils developed for high pressure hydraulic systems operating under moderate to severe conditions in mobile and industrial service.

QATOL HYDRAULIC FLUIDS are formulated with quality base oils and carefully selected performance additives to provide excellent protection against oxidation degradation, rust & corrosion and wear.

QATOL HYDRAULIC FLUIDS ranges can be used in hydraulic systems operating under moderate to severe conditions in mobile and industrial service and in older hydraulic systems where leakage is a problem and a cost-effective hydraulic oil providing all-round protection is required, mobile hydraulic fluid power transmission systems and general machine lubrication

APPLICATIONS:

- QATOL HYDRAULIC FLUIDS ranges are recommended for high pressure hydraulic power systems and a wide variety of circulation systems of industrial and automotive equipment. They are suitable for precision hydraulic systems requiring very high control of fluid viscosity like high performance electrohydraulic or numerically controlled systems particularly where close clearance servo-valves are used. They are also used in general manufacturing, power and metal equipment operating at high speeds, loads and temperatures like presses, injection molding, machine tools etc. These oils are also recommended for the lubrication of rotors, bearings, gears in rotary compressors like screw and vane type.
- For mobile and static hydraulic applications of industrial and other equipment.
- Hydraulic cranes and lifts, loaders, reach trucks, forklifts, excavators, dumpers, loading ramps, and tailboards.
- Sometimes recommended for: hydraulic systems of metalworking machines, or circulation systems of industrial machinery.

FEATURES AND BENEFITS:

- Outstanding Oxidation Stability – outstanding resistance to the effects of oxidizing agents. Resists sludge and deposit formation. Minimizes filter choking. Ensures longer operating life, less maintenance and reduction in operating cost.
- Superior Hydrolytic Stability – resists water absorption and the chemical decomposition of the oil in the presence of water. Protects from acid corrosion, rusting and allows longer oil life.
- Excellent Wear Protection – excellent protection to the pump, valve and other system components. Operates on a wide range of load conditions – moderate to severe.
- Good Thermal Stability – provides good resistance to thermal break down and capability to work under varied ambient and operating temperatures to offer optimum life and performance.
- Anti-foam – allows precision control, high pump pressures and efficient power transfer.
- Fast Air Release – ensures release of entrapped air from oil to offer superior performance of the control mechanism in the system.
- Excellent Demulsibility – the rate of water separation from oil is very high. Increases system efficiency and reliability.
- Increased System Reliability – by resisting thermal and chemical break down of the oil these oils minimize the risk of formation of the harmful sludge and deposit.

SPECIFICATIONS:

- DIN 51524-2: HLP ISO 6743-4: HM
- Denison HF-1, HF-2, HF-0
- Vickers I 286-S, M 2950-S Cincinnati Milacron P68, P69, P70
- US Steel 126, 127
- AFNOR NFE 48603
- AFNOR NFE 48690 (dry) and NFE 48691 (wet)

QATOL REDLINE HYDRO HYDRAULIC FLUID (HLP) (Continued)

KEY PROPERTIES

Properties	Units	Values								Test
ISO Grade		32	37	46	68	100	150	220	320	-
Viscosity@ 40°C	mm ² /s	32	36.5	46.9	68	99.5	149	220	320	ASTM D-445
@ 100°C	mm ² /s	5.4	5.87	6.9	8.8	11.1	14.6	19	24	ASTM D-445
Viscosity Index 2270	-	102	102	102	99	96	96	97	95	ASTM D-
Density @ 35°C 4052	Kg/m ³	864	866	868	873	877	881	885	889	ASTM D-
Neutralization no.	mg KOH/g	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	ASTM D-664
Flash Point	°C	214	216	222	232	240	250	254	260	ASTM D-92
Pour Point	°C	-24	-24	-24	-24	-18	-15	-12	-12	ASTM D-97

AVAILABLE PACKAGES: 208L, 25L, 20L,

INDUSTRIAL OIL

INDUSTRIAL GEAR OIL

QATOL REDLINE CLP INDUSTRIAL GEAR OILS (CLP)

Heavy duty - EP - industrial gear oils of highest performance



PRODUCT DESCRIPTION:

QATOL CLP INDUSTRIAL GEAR OILS are premium quality extreme pressure gear lubricants, manufactured from the highest quality base oils combined with extreme pressure additives of the Sulphur-phosphorous type. This combination provides very high load-carrying properties and affords maximum protection for gear teeth in severe service conditions.

QATOL CLP INDUSTRIAL GEAR OILS are extra high-performance gear oils having outstanding extreme pressure characteristics and load carrying properties, intended for use in all types of enclosed gear drives with circulation or splash lubrication systems. QATOL CLP INDUSTRIAL GEAR OILS are designed to stay ahead of the changing needs of gearbox technology. Gearbox technology design trends are towards smaller units with similar power throughput. This increase in power density places increased demands on gear oils. QATOL CLP INDUSTRIAL GEAR OILS are formulated to meet the stress by providing extra protection for gears, bearings and seals.

QATOL CLP INDUSTRIAL GEAR OILS formulation is able to provide maximum wear and corrosion protection while maintaining compatibility with common gearbox seal materials. QATOL CLP INDUSTRIAL GEAR OILS helps to maintain gearbox seal integrity thereby preventing oil leaks and keeping contamination out. By protecting the gears, bearings and seals, QATOL CLP INDUSTRIAL GEAR OILS can improve equipment reliability and increase productivity.

APPLICATIONS:

QATOL CLP INDUSTRIAL GEAR OILS are recommended for all industrial applications where the machinery manufacturer recommends the use of CLP type oil. Highly-stressed bearings, joints, pressure spindles, spur and worm drive gears are reliably, effectively and economically lubricated even at elevated temperatures. The use of these oils guarantees the quiet and smooth running of machinery along with optimum operational reliability.

QATOL CLP INDUSTRIAL GEAR OILS are used in a wide range of industrial and marine applications, especially spur, helical, bevel and worm gearing. Specific applications include:

Industrial gearing for conveyers, agitators, dryers, extruders, fans, mixers, presses, pumps (including oil well pumps), screens, extruders and other heavy-duty applications.

Marine gearing including main propulsion, centrifuges, deck machinery such as winches, windlasses, cranes, turning gears, pumps, elevators and rudder carriers.

Non-gear applications include shaft couplings, screws and heavily loaded plain and rolling contact bearings operating at slow speeds.

FEATURES AND BENEFITS:

- Enhanced gear wear protection from micro pitting:
- Less gear and bearing wear resulting in less unexpected downtime.
- Reduced debris denting from generated wear particles:
- improvement in bearing life reducing bearing replacement costs and improving productivity
- Improved bearing wear protection:
- Improved bearing life resulting in higher productivity.
- Outstanding compatibility with a range of seal materials:
- Reduced leakage, oil consumption and contamination ingress helping to reduce maintenance, extend gearbox reliability and higher productivity.
- Excellent resistance to oil oxidation and thermal degradation:
- Helps extend lubricant life with lower lubricant and lubrication costs and reduced scheduled downtime.
- Excellent resistance to oil oxidation and thermal degradation:

QATOL REDLINE CLP INDUSTRIAL GEAR OILS (CLP) (Continued)

FEATURES AND BENEFITS

- Cleaner systems and reduced maintenance because of minimal sludge and deposit formation.
- Wide range of applications:
- Fewer grades of lubricant required because of wide range of application, leading to lower purchase and storage costs and less danger of using wrong lubricant.
- Optimized resistance to rust and corrosion of steel and corrosion of copper and soft metal alloys:
- Excellent protection of machine parts, with reduced maintenance and repair costs.
- Resistance to foaming and emulsion formation:
- Effective lubrication and problem free operation in the presence of water contamination or in equipment prone to oil foaming.

SPECIFICATIONS:

- DIN 51517-3 (2004):CLP
- ISO 6743-6 and ISO 12925-1: CKC/CKD
- US Steel 224
- AGMA 9005-D95/E02: EP
- David Brown S1 53.101

KEY PROPERTIES:

Properties	Unit Test Method	Value						
ISO Viscosity Grade		68	100	150	220	320	460	680
Viscosity @ 40 °C ASTM D-445	mm ² /s	70	100	151	215	310	463	664
@ 100 °C ASTM D-445	mm ² /s	9.0	11.0	15.0	19.0	24.0	30.0	38.5
Viscosity Index ASTM D-2270		98	98	98	95	98	95	97
Density @ 35 °C ASTM D-4052	kg/m ³	871	875	881	886	891	896	893
Flash Point ASTM D-92	oC	232	234	235	236	242	260	280
Pour Point ASTM D-97	oC	- 18	- 15	- 15	- 15	- 12	- 12	- 9
Neutralization no. ASTM D-974	mg KOH/g	0.4	0.4	0.4	0.4	0.4	0.4	0.4

AVAILABLE PACKAGES: 208L, 25L, 20L,

INDUSTRIAL OIL

TURBINE OIL

QATOL REDLINE SGT OILs - GAS TURBINE OIL

Premium Performance Industrial Steam and Gas Turbine Oil



PRODUCT DESCRIPTION:

series is blended from highly refined, virgin base oils and high-tech additives. These oils have excellent oxidation & thermal stability, rust & corrosion protection, anti-foaming, air-release and demulsification properties. They can be used in hydraulic systems and gearboxes requiring mild EP properties. The ISO VG 32, 46, 68 grades are specially developed for steam and gas turbine systems meeting GEK 32568F.

PRODUCT FEATURES:

- QATOL GST OIL is a premium performance inhibited turbine oil formulated from premium base oil technology and rust, oxidation and foam inhibitors.
- QATOL GST OIL is designed primarily for use in industrial Gas and Steam Turbines, it is also suited to many other industrial applications including air compressors where R&O type oils are recommended.

CUSTOMER BENEFITS

- Resists degradation
- Exceptional oxidation stability provided by the multi-component inhibitor system resists oil breakdown during exposure to high temperature conditions.
- Potential maintenance and downtime savings
- Premium base stocks and multi-component oxidation inhibitor system resist the formation of harmful sludge and varnish deposits. The rust inhibitor protects components against corrosion.
- Smooth operation
- The excellent water separability of premium base stocks and inhibitor system ensure rapid settling of harmful water accumulated from steam condensate. The non-silicone foam inhibitor allows rapid release of entrained air while minimizing foam formation, enabling reliable operation of sensitive hydraulic control devices.
- Potential inventory savings
- The rust and oxidation inhibited formulation has multipurpose capability in a wide range of industrial applications for which this type of product is recommended, helping to simplify oil inventories and reduce the possibility of using the wrong lubricant.

APPLICATIONS

- Steam and hydraulic turbines operating under all service conditions.
- Industrial gas turbines operating under severe conditions
- Rotating machinery in gas and steam combined cycle cogeneration units
- Hydraulic turbines
- Centrifugal, rotary and reciprocating compressors, turbo-blowers and centrifugal pumps (not recommended for use in breathing air compressors)
- Bath and circulating systems supplying rolling element bearings of all types, lightly loaded gear sets, vacuum pumps, machine tools, conveyors, electric motors, and low to moderate pressure hydraulic pumps where anti-wear properties are not required
- Reduction gear lubrication in marine operations requiring plain non-EP R&O type of Oils.
- General lubrication of machines.
- Bearing lubrication of paper manufacturing & calendaring machines and central lubrication of rolling machines.

SPECIFICATIONS:

- DIN 51524-1 HL
- DIN 51517-2 CL
- DIN 51 515-1(TD)

QATOL REDLINE SGT OILs - GAS TURBINE OIL (Continued)

SPECIFICATIONS (CONTINUED):

- BS 489 (CIGRE)
- GEK 32568 F
- GEK 101941 A
- Siemens/KWU TLV9013/04-01

KEY PROPERTIES:

Properties	Units	Values			Test
ISO VG		32	46	68	
Density @ 35 °C 4052	Kg/m ³	863	868	871	ASTM D-
Color 1500	-	<1.0	<1.0	1.0	ASTM D-
Viscosity @ 40 °C	mm ² /s	32.8	46.4	68.9	ASTM D-445
Viscosity @ 100 °C	mm ² /s	5.0	7.0	9.0	ASTM D-445
Viscosity Index 2270	-	103	100	100	ASTM D-
Total Acid Number	mg KOH/g	0.12	0.12	0.12	ASTM D-664
Flash Point	°C	220	228	238	ASTM D-92
Pour Point	°C	-30	-27	-24	ASTM D-97
Air Release	min.	5.0	5.0	5.0	IP 313
Foaming Sequence I Sequence II Sequence III	ml/ml	15/0 10/0 15/0	15/0 10/0 15/0	15/0 15/0 15/0	ASTM D-892
Demulsibility @ 54°C 1401 (min)	ml/ml/ml	40-40-0 15	40-40-0 15	40-40-0 15	ASTM D-
Rust Inhibition, Iron protection 665A	rating	Pass	Pass	Pass	ASTM D-
Corrosion, Copper strip, 3hrs @ 100°C	rating	1a	1a	1a	ASTM D-130
FZG gear test (A/8.3/90) Failure load stage	-	10	10	10	DIN 51354
TOST life, Time to 2 TAN	hrs.	>3500	>3500	>3500	ASTM D-943
RPVOT (RBOT) 2272	min.	>900	>900	>900	ASTM D-

AVAILABLE PACKAGES: 208L, 25L, 20L,

QATOL REDLINE SUPER GST OILs - STEAM TURBINE OIL

High quality Industrial Steam and Gas Turbine Oil



PRODUCT DESCRIPTION:

QATOL SUPER GST OILs turbine oils were developed for gas, steam, and expansion turbines as well as for turbo compressors with and without gearboxes based on the latest lubrication technology.

The excellent properties of the hydro-finished base oils produced in a special process are enhanced using a carefully selected additive system. QATOL SUPER GST OILs contain no metal-organic compounds and are therefore ash less. They provide a zinc-free wear protection.

This product family is formulated with synthesized hydrocarbons and a unique additive system. This formula provides outstanding low temperature fluidity and exceptional resistance to degradation at high temperatures. QATOL SUPER GST OILs Series lubricants also provide excellent anti wear properties as well as protection against rust and corrosion plus good air release performance and resistance to foaming.

These characteristics help to provide superior resistance to thermal/oxidative degradation during the heat soaking period after shutdown and permit rapid oil circulation at low temperatures during start-up. Degradation resistance is a key attribute in avoiding harmful deposits that can interfere with lubrication supply to the bearings or foul critical servo-valves. This is a particular issue when gas turbines are running in cycling mode and experience multiple thermal stress cycles. Since low temperature fluidity and high viscosity index are inherent characteristics of the fluids, they resist changes in service as a result of mechanical shearing or repeated cycling from low to high temperatures.

PRODUCT FEATURES:

- Outstanding high thermal/oxidative stability and deposit control:
- High level of resistance to heat soak-back after turbine shutdown Less deposit build-up and improved reliability and lower maintenance costs long oil charge life and lower product costs
- Excellent low temperature fluidity:
- Reliable flow and lubrication during cold starts, even at very low temperatures
- Naturally high Viscosity Index:
- Improved equipment protection at high temperatures
- Very good resistance to foaming and good air release:
- Efficient system operation and less un-planned stoppages
- Excellent antiwear performance:
- Excellent equipment protection and reduced equipment replacement costs.
- Superior resistance to oxidation & thermal degradation provides a very long-life lubricant because of low deposit / lacquer formation.
- Superior air release properties mean they meet the requirements of all turbine manufacturers.
- Excellent water separation and corrosion inhibition mean reduced down time through prolonged lubricant life and increased equipment reliability.
- Suitable for the lubrication of both gas and steam turbines makes them suitable for combined cycle generating stations.

APPLICATIONS:

QATOL SUPER GST OILs are primarily intended for the lubrication of gas and steam turbines where the base oils used have been selected to give the requisite water separation characteristics as well as providing resistance to foaming and air entrainment, all essential properties for this demanding application.

QATOL SUPER GST OILs are recommended for industrial gas turbines where the lubricant is likely to be exposed to very high localized temperatures. They are also suitable for the lubrication of steam turbines and Combined Cycle generating systems where the steam and gas turbines share a common oil supply.

QATOL SUPER GST OILs are especially suited for use in turbine systems with a common control and lubricating oil circuit. It can also be used as a bearing and sealing oil in hydrogen-cooled generators.

QATOL REDLINE SUPER GST OILs - STEAM TURBINE OIL (Continued)

SPECIFICATIONS:

- DIN 51 515-1(TD) with and without gearbox.
- DIN 51 515-2 (TG) with and without gearbox.
- GE GEK 28568 A
- GE GEK 32568 F
- GE GEK 101941 A
- GE GEK 107395 A
- Siemens TLV 901304
- MIL-PRF-17331 J
- Solar ES 9-224 (Class I / Class II)

KEY PROPERTIES:

Properties	Units	Values			Test
ISO VG		32	46	68	
Density @ 35 °C	Kg/m ³	863	868	871	ASTM D-
4052					
Color	-	<1.0	<1.0	1.0	ASTM D-
Viscosity @ 40 °C	mm ² /s	31	46	67	ASTM D-445
Viscosity @ 100 °C	mm ² /s	5.7	7.5	9.7	ASTM D-445
Viscosity Index	-	126	128	126	ASTM D-
Total Acid Number	mg KOH/g	0.15	0.15	0.15	ASTM D-664
Flash Point	°C	220	228	238	ASTM D-92
Pour Point	°C	-30	-27	-24	ASTM D-97
Air Release	min.	<5.0	<5.0	<5.0	IP ₃₁₇
Foaming Sequence I	ml/ml	15/0	15/0	15/0	ASTM D-892
Sequence II		20/0	20/0	20/0	
Sequence III		15/0	15/0	15/0	
Demulsibility @ 54°C	ml/ml/ml	40-40-0	40-40-0	40-40-0	ASTM D-
1401	(min)	<15 <15	<15		
Rust Inhibition, Iron protection	rating	Pass	Pass	Pass	ASTM D-
665A					
Corrosion, Copper strip, 3hrs @ 100°C	rating	1a	1a	1a	ASTM D-130
FZG gear test (A/8.3/90) Failure load stage	-	>10	>10	>10	DIN 51354
TOST life, Time to 2 TAN	hrs.	>10000	>10000	>10000	ASTM D-943
RPVOT (RBOT)	min.	>1000	>1000	>1000	ASTM D-

AVAILABLE PACKAGES: 208L, 25L, 20L,

MARINE OIL

QATOL MANTA RAY TPEO 30 SAE 40

Trunk piston oil for medium speed engines.



PRODUCT DESCRIPTION:

QATOL TPEO 30 SAE 40 is a high quality, alkaline dual purpose API CF level lubricating oil specially formulated to meet the requirements of medium speed trunk piston diesel engines operating on residual fuel and crude oil with low sulfur content.

QATOL TPEO 30 SAE 40 provide the necessary alkalinity to effectively neutralize acidic products of combustion and to give an optimum level of detergency to keep pistons and piston rings free of deposits.

APPLICATION:

- QATOL TPEO 30 SAE 40 is blended with latest technology additive packages developed especially for use with engines burning residual fuel and crude oil with low sulfur content.
- QATOL TPEO 30 SAE 40 is recommended when both distillate fuel and residual fuel are used periodically.
- QATOL TPEO 30 SAE 40 Designed for use in highly rated, medium speed diesel engines used for both marine and stationary power generation.
- QATOL TPEO 30 SAE 40 used in Engines using residual heavy fuel oil with low sulfur content. It is also suitable for dual fuel 4-stroke engines.
- QATOL TPEO 30 SAE 40 can also be used to lubricate bearings, stern tubes and reduction gears.

ADVANTAGES/BENEFITS:

- The use of QATOL TPEO 30 SAE 40 will ensure engine cleanliness, resulting in longer periods between overhauls
- QATOL TPEO 30 SAE 40 is fully inhibited for protection against bearing corrosion.
- QATOL TPEO 30 SAE 40 has a high level of oxidation resistance to prevent premature ageing and to give longer oil life.
- QATOL TPEO 30 SAE 40 offers optimum alkalinity in order to neutralize acidic by-products of combustion.
- QATOL TPEO 30 SAE 40 offers excellent cleanliness of the SCR catalyst increasing maintenance intervals and making possible lower total operating costs.
- QATOL TPEO 30 SAE 40 has the ability to reduce heavy deposit build-up in an engine creates savings via a reduction in maintenance costs.
- QATOL TPEO 30 SAE 40 offers excellent resistance to the negative effects of residual fuel contamination, along with excellent thermal resistance and oxidization resistance.

SPECIFICATIONS/ RECOMMENDATIONS:

- API CF
- Wärtsilä
- MWM Deutz
- MAN B&W
- YANMAR
- Rolls-Royce
- MAK (Caterpillar)

QATOL MANTA RAY TPEO 30 SAE 40 (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.89	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	159	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15.3	mm ² /s
Viscosity Index	ASTM D 2270	97	-
TBN	ASTM D 2896	30	mg KOH/g
Flash Point, CoC	ASTM D 92	245	°C
Pour Point	ASTM D 97	-12	°C

AVAILABLE PACKAGES: 208L, 25L, 20L,

QATOL MANTA RAY TPEO 40 SAE 40

Trunk piston oil for medium speed engines.



PRODUCT DESCRIPTION:

QATOL TPEO 40 SAE 40 is a high quality, alkaline dual purpose API CF level lubricating oil specially formulated to meet the requirements of medium speed trunk piston diesel engines operating on residual fuel and crude oil with sulfur level up to 2%.

QATOL TPEO 40 SAE 40 provide the necessary alkalinity to effectively neutralize acidic products of combustion and to give an optimum level of detergency to keep pistons and piston rings free of deposits.

APPLICATION:

- QATOL TPEO 40 SAE 40 is blended with latest technology additive packages developed especially for use with engines burning heavy residual fuels and crude oil.
- QATOL TPEO 40 SAE 40 is recommended when both distillate fuel and residual fuel are used periodically.
- QATOL TPEO 40 SAE 40 Designed for use in highly rated, medium speed diesel engines used for both marine and stationary power generation.
- QATOL TPEO 40 SAE 40 used in Engines using residual heavy fuel oil with low sulfur content. It is also suitable for dual fuel 4-stroke engines.
- QATOL TPEO 40 SAE 40 can also be used to lubricate bearings, stern tubes and reduction gears.

ADVANTAGES/BENEFITS:

- The use of QATOL TPEO 40 SAE 40 will ensure engine cleanliness, resulting in longer periods between overhauls
- QATOL TPEO 40 SAE 40 is fully inhibited for protection against bearing corrosion.
- QATOL TPEO 40 SAE 40 has a high level of oxidation resistance to prevent premature ageing and to give longer oil life.
- QATOL TPEO 40 SAE 40 offers optimum alkalinity in order to neutralize acidic by-products of combustion.
- QATOL TPEO 40 SAE 40 has the ability to reduce heavy deposit build-up in an engine creates savings via a reduction in maintenance costs.
- QATOL TPEO 40 SAE 40 offers excellent resistance to the negative effects of residual fuel contamination, along with excellent thermal resistance and oxidization resistance.

SPECIFICATIONS/ RECOMMENDATIONS:

- API CF
- Wärtsilä
- MWM Deutz
- SKL Motor
- MAN B&W
- YANMAR
- Rolls-Royce
- MAK (Caterpillar)

QATOL MANTA RAY TPEO 40 SAE 40 (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.898	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	159	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15.3	mm ² /s
Viscosity Index	ASTM D 2270	97	-
TBN	ASTM D 2896	40	mg KOH/g
Flash Point, CoC	ASTM D 92	248	°C
Pour Point	ASTM D 97	-12	°C

AVAILABLE PACKAGES: 208L, 25L, 20L,

QATOL MANTA RAY TPEO 50 SAE 40

Trunk piston oil for medium speed engines.

PRODUCT DESCRIPTION:

QATOL TPEO 50 SAE 40 is a high quality, alkaline dual purpose API CF level lubricating oil specially formulated to meet the requirements of medium speed trunk piston diesel engines operating on residual fuel and crude oil with sulfur level up to 2% and above.



QATOL TPEO 50 SAE 40 provides the necessary extra alkalinity to effectively neutralize acidic products of combustion when operating on heavy residual fuels or crude oils and to give a high level of detergency to keep pistons and piston rings free of deposits.

APPLICATION:

- QATOL TPEO 50 SAE 40 is blended with latest technology additive packages developed especially for use with engines burning heavy residual fuels and crude oil.
- The use of QATOL TPEO 50 SAE 40 is recommended in heavy fuel installations, especially if fuel sulfur content is above 2.0% mass.
- QATOL TPEO 50 SAE 40 Designed for use in highly rated, medium speed diesel engines used for both marine and stationary power generation.
- QATOL TPEO 50 SAE 40 used in Engines using residual heavy fuel oil with low sulfur content. It is also suitable for dual fuel 4-stroke engines.
- QATOL TPEO 50 SAE 40 can also be used to lubricate bearings, stern tubes and reduction gears.

ADVANTAGES/BENEFITS:

- The use of QATOL TPEO 50 SAE 40 will ensure engine cleanliness, resulting in longer periods between overhauls
- QATOL TPEO 50 SAE 40 is fully inhibited for protection against bearing corrosion.
- QATOL TPEO 50 SAE 40 has a high level of oxidation resistance to prevent premature ageing and to give longer oil life.
- QATOL TPEO 50 SAE 40 offers optimum alkalinity in order to neutralize acidic by-products of combustion.
- QATOL TPEO 50 SAE 40 has the ability to reduce heavy deposit build-up in an engine creates savings via a reduction in maintenance costs.
- QATOL TPEO 50 SAE 40 offers excellent resistance to the negative effects of residual fuel contamination, along with excellent thermal resistance and oxidization resistance.

SPECIFICATIONS/ RECOMMENDATIONS:

- API CF
- Wärtsilä
- MWM Deutz
- MAN B&W
- YANMAR
- Rolls-Royce
- MAK (Caterpillar)

QATOL MANTA RAY TPEO 50 SAE 40 (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.9	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	158	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15.5	mm ² /s
Viscosity Index	ASTM D 2270	99	-
TBN	ASTM D 2896	50	mg KOH/g
Flash Point, CoC	ASTM D 92	248	°C
Pour Point	ASTM D 97	-12	°C

AVAILABLE PACKAGES: 208L, 25L, 20L,

QATOL MANTA RAY TPEO 55 SAE 40

Trunk piston oil for medium speed engines.



PRODUCT DESCRIPTION:

QATOL TPEO 55 SAE 40 is a high quality, alkaline dual purpose API CF level lubricating oil specially formulated to meet the requirements of medium speed trunk piston diesel engines operating on residual fuel and crude oil with sulfur level up to 2% and above.

QATOL TPEO 55 SAE 40 provides the necessary extra alkalinity to effectively neutralize acidic products of combustion when operating on heavy residual fuels or crude oils and to give a high level of detergency to keep pistons and piston rings free of deposits.

APPLICATION:

- QATOL TPEO 55 SAE 40 is blended with latest technology additive packages developed especially for use with engines burning heavy residual fuels and crude oil.
- The use of QATOL TPEO 55 SAE 40 is recommended in heavy fuel installations, especially if fuel sulfur content is above 2.0% mass.
- QATOL TPEO 55 SAE 40 Designed for use in highly rated, medium speed diesel engines used for both marine and stationary power generation.
- QATOL TPEO 55 SAE 40 used in Engines using residual heavy fuel oil with low sulfur content. It is also suitable for dual fuel 4-stroke engines.
- QATOL TPEO 55 SAE 40 can also be used to lubricate bearings, stern tubes and reduction gears.

ADVANTAGES/BENEFITS:

- The use of QATOL TPEO 55 SAE 40 will ensure engine cleanliness, resulting in longer periods between overhauls
- QATOL TPEO 55 SAE 40 is fully inhibited for protection against bearing corrosion.
- QATOL TPEO 55 SAE 40 has a high level of oxidation resistance to prevent premature ageing and to give longer oil life.
- QATOL TPEO 55 SAE 40 offers optimum alkalinity in order to neutralize acidic by-products of combustion.
- QATOL TPEO 55 SAE 40 has the ability to reduce heavy deposit build-up in an engine creates savings via a reduction in maintenance costs.
- QATOL TPEO 55 SAE 40 offers excellent resistance to the negative effects of residual fuel contamination, along with excellent thermal resistance and oxidization resistance.

SPECIFICATIONS/ RECOMMENDATIONS:

- API CF
- Wärtsilä
- MWM Deutz
- MAN B&W
- YANMAR
- Rolls-Royce
- MAK (Caterpillar)

QATOL MANTA RAY TPEO 55 SAE 40 (Continued)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.9	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	158	mm ² /s
Kinematic Viscosity @ 100 °C	ASTM D 445	15.5	mm ² /s
Viscosity Index	ASTM D 2270	99	-
TBN	ASTM D 2896	55	mg KOH/g
Flash Point, CoC	ASTM D 92	248	°C
Pour Point	ASTM D 97	-12	°C

AVAILABLE PACKAGES: 208L, 25L, 20L,

COOLANTS & ANTIFREEZE

QATOL SUPER COOL AFS COOLANT 40% CONC.

Ready to use Coolant (Premixed with Water)



PRODUCT DESCRIPTION

QATOL AFS COOLANT 40% CONC. based on Mono Ethylene Glycol (MEG) and suitable corrosion inhibitors to provide protection against frost and corrosion.

QATOL AFS COOLANT 40% CONC is fortified with anti-rust and anti-corrosion additives. It has a very low freezing point and provides efficient heat transfer at high engine operating temperatures.

It is mixed with 60% of demineralized water for using as ready to use cooling and heat transfer fluid in internal combustion engines.

FEATURES & BENEFITS

- It is formulated to provide effective corrosion protection to cooling system and engine parts made out of ferrous and non-ferrous metals.
- Excellent protection of all hard metals in the cooling system and engine
- It provides round the year protection against frost and boiling.
- It is compatible with seals.

APPLICATIONS

It is recommended for use in cooling systems of all types of liquid cooled automotive and industrial engines where such types of coolants are used. (Please refer OEM manual for recommended coolant).

Warning: Keep all antifreezes out of reach of children. Do not drink antifreeze. If swallowed, induce vomiting and immediately seek medical advice.

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Concentration	-	40%	-
Specific Gravity @ 15 °C	ASTM D-1122	1050 - 1065	kg/m ³
Freezing Point (max.)	ASTM D-3321	-24	°C
Reflux Boiling Point (min.)	ASTM D-1120	107	°C
Reserve Alkalinity (min.)	ASTM D-1121	5-6	-
pH value	ASTM D-1287	7-11	-

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

QATOL SUPER COOL AFS COOLANT 50% CONC.

Ready to use Coolant (Premixed with Water)



PRODUCT DESCRIPTION

QATOL AFS COOLANT 50% CONC. based on Mono Ethylene Glycol (MEG) and suitable corrosion inhibitors to provide protection against frost and corrosion.

QATOL AFS COOLANT 50% CONC is fortified with anti-rust and anti-corrosion additives. It has a very low freezing point and provides efficient heat transfer at high engine operating temperatures.

It is mixed with 50% of demineralized water for using as ready to use cooling and heat transfer fluid in internal combustion engines.

FEATURES & BENEFITS

- It is formulated to provide effective corrosion protection to cooling system and engine parts made out of ferrous and non-ferrous metals.
- Excellent protection of all hard metals in the cooling system and engine
- It provides round the year protection against frost and boiling.
- It is compatible with seals.

APPLICATIONS

It is recommended for use in cooling systems of all types of liquid cooled automotive and industrial engines where such types of coolants are used. (Please refer OEM manual for recommended coolant).

Warning: Keep all antifreezes out of reach of children. Do not drink antifreeze. If swallowed, induce vomiting and immediately seek medical advice.

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Concentration	-	50%	-
Specific Gravity @ 15 °C	ASTM D-1122	1060 - 1072	kg/m ³
Freezing Point (max.)	ASTM D-3321	-27	°C
Reflux Boiling Point (min.)	ASTM D-1120	107	°C
Reserve Alkalinity (min.)	ASTM D-1121	8-9	-
pH value	ASTM D-1287	7-11	-

AVAILABLE PACKAGES: 208L, 5L, 4L, 1L.

PRODUCT CATALOGUE

TECHNICAL SPECIFICATIONS

Qatol produces an exhaustive list of products ranging from heavy-duty engine and transmission oils to brake fluids and coolants that suits all types of vehicles and machinery



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