

## QATOL REDLINE HYDRO HVI HYDRAULIC FLUIDS

QATOL HYDRAULIC HVI FLUIDS Industrial extra heavy duty hydraulic fluid for long life, excellent performance and protection, are anti-wear hydraulic oils developed for high pressure hydraulic systems operating under moderate to severe conditions in mobile and industrial service. QATOL HYDRAULIC HVI FLUIDS are formulated with quality base oils and carefully selected performance additives to provide excellent protection against oxidation degradation, rust & corrosion and wear.

### APPLICATIONS

QATOL HYDRAULIC HVI 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

### KEY 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

- AFNOR NF E 48-603 HV
- ISO 6743/4 HV
- ISO 11158 HV
- DIN 51524 P3 HVLP
- ASTM D6158 HV
- VICKERS M-2950S, -I-286
- ZF-TE-ML 07H

## KEY PROPERTIES

PROPERTIES	TEST METHOD	UNIT	QATOL REDLINE HYDRO HYDRAULIC HVI ISO VG				
			15	32	46	68	100
Appearance	Visual	-	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 35°C	ASTM D4052	gm/cc	0.85	0.86	0.86	0.87	0.88
Kinematic Viscosity @ 40°C	ASTM D445	g/ml	15	32	46	68	100
VI	ASTM D2270	-	140 min	140 min	140 min	140 min	140 min
Flash Point, COC	ASTM D92	°C	170 min	220	230	240	250
Pour Point	ASTM D 97	°C	-42	-39	-39	-36	-36
Note: Above characteristics are typical values							

## HAZARDS

This oil used as recommended and for the application for which it has been designed does not present any particular health & environmental risk.

## PACKING

Available Packages: 1000L, 208L, 60L, 20L, 4L, 5L