

DURALIFE® SUPREME ANTI-WEAR R&O HVI MULTIGRADE HYDRAULIC OILS

Duralife® Supreme anti-wear R&O HVI Multigrade Hydraulic oils are high viscosity index , high performance , anti-wear hydraulic oils , formulated with high quality base oils and a balanced super-stabilised additive system that helps neutralise the formation of corrosive materials. They are designed to work with systems operating under severe conditions and used in very cold environments and separate rapidly from water contamination upon standing as in the marine environment.

APPLICATIONS:

For use in hydraulic systems where cold start-up and high operating temperatures are typical , such as shipboard hydraulic machinery , deck machinery or use in applications where thin oil-film corrosion protection is an asset such as systems where small amounts of water are unavoidable.

Duralife® Supreme anti-wear R&O HVI Multigrade hydraulic oils meet the following performance requirements :

- ❖ *Eaton Vickers I-286-S, I-286-S3, M-2950-S*
- ❖ *Racine, variable volume vane pumps.*
- ❖ *DIN 51524, Part 2, Part 3 (2006)*
- ❖ *Jeffrey No.87*
- ❖ *U.S. Steel 126, 127*
- ❖ *General Motors LH-04-1, LH-06-1, LH-15-1*
- ❖ *AFNOR E 48-603*
- ❖ *Denison Parker HF-1, HF-2, HF-0*
- ❖ *Cincinnati Milacron P-68, P-69, P-70*
- ❖ *ANSI/AGMA 9005-E02-RO*
- ❖ *ASTM D 6158 (HM, HV)*
- ❖ *ISO 11158(HM, HV)*
- ❖ *SAE MS 1004(HM, HV)*
- ❖ *GMLS-2*
- ❖ *JCMAS P041 (HK)*
- ❖ *Bosch 07075& 90220*
- ❖ *SEB 181222 (FZG 12)*
- ❖ *Lee-Norse 100-1*
- ❖ *Ford M-6C32*
- ❖ *B.F. Goodrich 0512*
- ❖ *Racine*
- ❖ *Poclair*
- ❖ *Commercial Hydraulics*

BENEFITS :

- Outstanding anti-wear performance, oxidation resistant, corrosion protection.
- High viscosity index and low pour point enable the product to be used over a wide temperature range, with good shear stability which means no excessive loss in viscosity due to mechanical shearing.
- Good antifoam to prevent oil saturation and system failure, quick release of entrained air.
- Excellent resistance to sludge and deposits, maintains working components in clean operational condition.
- Excellent water-separation characteristics assure speedy removal of water from leaks and condensation.

TYPICAL CHARACTERISTICS

Test	Method	MAW 15	MAW 22	MAW 32	MAW 46	MAW 68	MAW 100	MAW 150	MAW 220
API Gravity	ASTM D287	29.29	29.29	29.29	28.39	28.39	28.03	27.49	26.07
Specific Gravity @15.6°C (60°F)	ASTM D1298	0.88	0.88	0.88	0.885	0.885	0.887	0.890	0.898
Viscosity @ 40°C, cSt	ASTM D445	15.2	22.5	32.0	46.2	68.5	100.0	150.3	220
@ 100°C, cSt		4.08	5.30	6.89	9.03	12.27	15.24	20.17	26.02
Viscosity Index	ASTM D 2270	181	180	182	180	178	160	155	150

Flash Point, °C (°F)	ASTM D92	150 (302)	170 (338)	210 (411)	220 (428)	218 (424)	227 (441)	232 (450)	235 (455)
Pour Point, °C (°F)	ASTM D97	-53 (-63)	-50 (-58)	-45 (-49)	-42 (-44)	-39 (-38)	-30 (-22)	-30 (-22)	-30 (-22)
Foam Test Seq 1, ml	ASTM D 892	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0
F Z G Gear Test , Fail stage (A/8.3/90)	ISO 14635-1 / DIN 51354	11	11	12	12	12	12	12	12
Rusting Test, synthetic seawater	ISO 7210 / ASTM D 665B	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

The above characteristics are average values based on recent production. Minor variations which do not affect product performance are to be expected in normal manufacture.

WARNING:

Continuous contact with used oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children.

Don't pollute. Conserve resources. Return used oil and bottle to collection centers

Reference MSDS Number 12055 database on our website at www.amtecol.com