



MULTI-VIS R Hydraulic Oils

Description

Multi-Vis R Hydraulic Oils are shear stable hydraulic fluids designed for year round service. This unique product line is also formulated with additional anti-wear additives providing the higher zinc level generally recommended by the manufacture of Rexroth pumps.

Multi-Vis R Hydraulic Oils provide excellent low temperature pumpability and superior performance throughout a wide range of startup and operating temperatures.

Multi-Vis R Hydraulic Oils are highly shear stable and demonstrate superior resistance to viscosity loss when compared to major brand multi-vis products.

Multi-Vis R Hydraulic Oils are formulated with superior Group II base oils. The use of Group II base stocks typically increase the D 943 oxidation performance to exceed 5,000 hours.

Multi-Vis R Hydraulic Oils have been formulated to meet or exceed the requirements of all conventional and high-output industrial and mobile hydraulic systems.

Features/Benefits

- ✓ **Proven Field Performance**
- ✓ **Excellent Filterability**
- ✓ **Superior Anti-wear Protection**
- ✓ **Exceptional Water Separation**
- ✓ **Excellent Shear, Thermal and Oxidation Stability**
- ✓ **Resists Foaming in Service**
- ✓ **Excellent Low Temperature Properties**
- ✓ **Superior Rust and Corrosion Protection**

Meets or Exceeds the Requirements of:

ASTM D6158 HV, HVHP; **Bosch Rexroth** RDE-90235; **Chinese Standard** GB 11118.1 L-HM High Pressure and General; **Danielli** 0.000.001 Type 10 and 11 (ISO 46 and 68); **DIN** 51524-3 HVLP; **Eaton Brochure** 03-401-2010; **Eaton Lubricant Specification** E-FDGN-TB002-E; **Eaton Vickers** I-286-S, M-2950-S; **Fives Cincinnati** P-68, P-70, P-69 (ISO 32, 46, 68); **GM** LS-2; **ISO** 11158 HV; **JCMAS** HK P041; **Parker Denison** HF-1, HF-2, HF-0; **SAE** MS1004; **Swedish Standard** SS 155434:2015; **U.S. Steel** 126; **ZF** TE-ML 07H, TE-ML 21M

Typical Properties

Properties	15R	22R	26R	32R	46R	68R	100R	150R
Product Number	780	781	783	786	785	782	787	788
ISO Grade	15	22	22/32	32	46	68	100	150
API Gravity @ 60°F	35	33.2	32.8	31.7	30.8	29.9	29.3	27.7
Viscosity @ 40°C, cSt	15.3	22	26	32	46	68	100	150
Viscosity @ 100°C, cSt	4	4.8	5.4	6.3	8	10	12.3	16.8
Viscosity Index, typ	170	150	150	150	145	130	115	120
Pour Point °F, typ	-60	-55	-50	-50	-45	-40	-30	-15
Zinc, % wt	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
FZG fail stage (A8.3/90) ISO 14635-1 / DIN 51354	ND	ND	ND	ND	11	11	11	11
DIN 51524 Part 3	HVLP 15	HVLP 22	HVLP 26	HVLP 32	HVLP 46	HVLP 68	HVLP 100	HVLP 150