

DISCRIPTION

POWER HYDRAULIC LIFE 1 Zinc-Free is a premium ashless hydraulic fluid formulated with advanced zinc-free additive technology to provide excellent wear protection, oxidation stability, and long service life in modern hydraulic systems.

POWER HYDRAULIC 1 Zinc-Free is a high-performance, anti-wear hydraulic fluid specially developed using ashless (zinc-free) additive technology. It is designed to meet the demanding requirements of modern hydraulic systems where zinc-containing oils are not recommended.

This formulation provides outstanding protection against wear, corrosion, rust, and oxidation while maintaining excellent thermal stability and filterability. The zinc-free chemistry ensures compatibility with silver and yellow metal components and reduces the risk of deposit formation.

APPLICATION

POWER HYDRAULIC LIFE 1 is recommended for use in

- Industrial hydraulic systems
- Mobile hydraulic equipment
- CNC machines
- Plastic injection molding machines
- Construction equipment
- Marine hydraulic systems
- Systems requiring zinc-free / ashless hydraulic oil
- High-pressure vane, piston, and gear pumps

BENEFITS

- Excellent anti-wear protection
- Zinc-free (ashless) formulation
- Superior oxidation and thermal stability
- Extended oil service life
- Excellent filterability
- Reduced sludge and deposit formation
- Protection against rust and corrosion
- Good water separation properties
- Compatible with yellow metals and silver components

PRODUCT DATA SHEET



Performance

DIN 51524 Part 2 (HLP)
 ISO 11158 (HM)
 ASTM D6158 (HM)
 Eaton Vickers M-2950-S / I-286-S
 Denison HF-0, HF-1, HF-2

AVAILABILITY

ISO VG 22, 32, 37, 46, 68,100 and 150

Packaging: 1Q,1L,4Q, 4L,5Q, 5L, 18L, 20L, 25L, Drums, IBC.

Specification

Test Parameter	Units	Test Limits	Test Method
ISO VG		ISO VG 46	
Appearance	-	C&B	Visual
Density @ 15°C	g/cm ³	0.860	ASTM D-4052
Viscosity @ 40°C	mm ² /s	41.4-50.6	ASTM D-445
Viscosity @ 100°C	mm ² /s	6.1	ASTM D-445
Viscosity Index	-	98	ASTM D- 2270
Flash Point(COC)	°C	220	ASTM D-92
Pour Point	°C	-24	ASTM D-97
Foaming Test			
Seq I	ml	20/0	ASTM D-892
Seq II	ml	20/0	
Seq III	ml	20/0	
Water Separability to 3ml Emuls	min	20	ASTM D-1401
Air Release	min	5	ASTM D-3427
CODE		810/4	-