

Hydraulic Anti Wear (AW) Oil ISO VG 68

DESCRIPTION

Roshfrans Hydraulic Anti Wear (AW) Oil ISO VG 68 are designed and developed to be used in control and hydraulic power transmission systems. They provide great antifriction protection to bearings and gears found in circulation, splash, bath and ring-oiled systems.

This lubricant combine a perfect balance of highly refined paraffinic base stocks and remarkable additives antiwear, antioxidant, anticorrosive, antifoaming and release trapped air and its point of runoff. This family of lubricants HLP class, ensures adequate performance in an outstanding manner covering the demanding specifications of hydraulic equipment manufacturers worldwide.

PROPERTIES AND CUSTOMER BENEFITS

- Specially formulated to protect metal surfaces against wear when operating from light to severe conditions leading to increase the life of your equipment.
- Protects hydraulic system precision parts from rust and corrosion effects caused by wet environments.
- Provides an excellent protection against the formation of sludge and other harmful deposits.
- Roshfrans Hydraulic Anti Wear (AW) Oil ISO VG 68 reduce operation costs, improving profitability according to its extended oil drain capability.
- Exclusive formulation providing an ideal anti-wear protection increasing the life of hydraulic power transmission components.
- High viscosity index to provide an excellent operation capability within a wide range of temperatures.
- Elevated thermal and hydrolytic stability to provide optimal performance allowing a minimum loss of viscosity and/or lubricant degradation.
- Great oxidation resistance reducing oil thickening and sludge formation due to high operation temperatures.
- Optimal defoaming properties to diminish air entrapment avoiding cavitation of hydraulic pumps providing smooth operation and system efficiency.
- Excellent water separation characteristics assure optimal filterability in the presence of water contamination.
- Excellent compatibility with seals and special materials preventing oil leakage.

APPLICATIONS

Roshfrans Hydraulic Anti Wear (AW) Oil ISO VG 68 are specially elaborated to meet the most demanding working conditions for heavy duty hydraulic systems operating in industrial plants, marine, woodlands and mining machinery.

Viscosity grade ISO VG 68 is designed to give maximum hydraulic pump protection in mobile and stationary systems. Is recommended for vane, piston, vacuum or gear-type pumps

when pressure exceeds 1000 psi. In addition lightly loaded reciprocating compressors, motors and bearings can use these viscosity selections as recommended by manufacturers.

Note. These products are not intended for its use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use must be avoid when silver components might be present as part of the hydraulic systems.

SPECIFICATIONS

Roshfrans Hydraulic oils meet or exceed the following performance specifications:

Denison HF-0, HF-1, HF-2

Cincinnati-Machine P-69 (ISO VG 68)

Parker Hannifin France HF-0

US Steel 127 and 136

Eaton Vickers I-286-S and M-2950-S

Bosch Rexroth

General Motors LH-03-1, LH-04-1, LH-06-1, LS-2

ASTM D 6158 (Type HM)

DIN 51524 Part 2 (HLP)

ISO 11158 (Type HM)

HEALTH AND SAFETY

- This product is not expected to produce adverse effects on health when used for its intended application.
- Avoid prolonged contact with used oil. Continuous contact with used oil has caused skin cancer in lab animals. Wash skin thoroughly with soap and water.
- Do not use this product in high pressure systems in the vicinity of flames, sparks and hot surfaces.
- Maintain your work clothes and maintenance areas as clean and orderly as possible.
- Lubricant containers must be kept clean and well covered. Store them in shady areas to counteract product contamination.
- Do not pollute. Disposed of used lubricants in accordance with local, state, and federal guidelines.
- Keep this product out of reach of children and animals.

For any doubt regards Roshfrans lubricants and their applications, please contact our Technical Assistance Department. For further information about security and hygiene aspects request the corresponding Material Safety Data Sheet from your local sales representative.



PRODUCT DATA SHEET
INDUSTRIAL DIVISION
Hydraulic Fluids

Hydraulic Anti Wear (AW) Oil ISO VG 68

TYPICAL TEST DATA

	ASTM D METHOD	TYPICAL VALUE
Appearance	Visual	Bright
ASTM Color	1500	2.0
Kinematic Viscosity @ 40 °C, mm ² /s (cSt)	445	68.00
Kinematic Viscosity @ 100 °C, mm ² /s (cSt)	445	8.493
Viscosity Index	2270	94
Density @ 15.6 °C, kg/L	1298	0.8933
Flash Point, °C	92	220
Pour Point, °C	97	-9
Acid Number (AN), mg KOH/g	974	0.30
Foaming Characteristics, ml/ml	892	
Sequence I		0/0
Sequence II		20/0
Sequence III		0/0
Cooper Strip Tarnish Test, 3 hours @100°C (212 °F)	130	1a
Rust-Preventing Characteristics	665 A&B	Approved

Typical test data are average values only and is subject to change without further notification due to continual product research and development.
Minor variations which do not affect product performance are to be expected during normal manufacturing.