

Detergent Hydraulic Oil

Description

DAYAN HLP-D OIL SERIES is based upon highly refined mineral oil enhanced with a zinc additive system. They also contain detergent additives.

Features and benefits

- Smooth functioning of sliding parts in hydraulic systems and machine tools.
- Good surface wetting properties provide smooth sliding of seals on hydraulic pistons and rods and reduces corrosion.
- Excellent corrosion protection in arduous conditions.
- Maintains performance in 'wet' operating conditions, eg outdoor equipment, machining operations.

Applications

DAYAN HLP-D OIL SERIES are for use primarily in machine tool hydraulic systems, gears and clutch drives and in mobile hydraulic systems used outdoors. These oils can tolerate high levels of water contamination, either from the outdoors environment or by water miscible cutting oils when used in machine tool equipment, and still provide effective lubrication. Such contamination can cause corrosion and seizure of hydraulic components. The detergent /dispersant properties of DAYAN HLP-D OIL SERIES maintain the performance of hydraulic systems under these circumstances.

Specification

- ISO 11158 (HM fluids)
- ASTM D6158-05 (HM fluids)
- DIN 51524-2 (HLP fluids)

Product and environmental safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	10	32	46	68
ISO Viscosity Grade	-	-	10	32	46	68
Relative Density at 15°C	g/ml	ASTM D4052	0.860	0.864	0.868	0.875
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	10	32	46	68
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	2.6	5.4	6.8	8.6
Viscosity Index	-	ASTM D2270	86	102	101	97
Open Flash Point	°C	ASTM D92	150	220	225	225
Pour Point	°C	ASTM D5985	-60	-27	-24	-24

Note:

1- The Typical characteristics are given as a guide only and may vary according to latest production according to ISO.