

Hydraulic Oil

Product Description

DAYAN HLP Oils are supreme performance anti-wear hydraulic oils formulated with high quality mineral base oils and additives to satisfy a wide range of hydraulic equipment requirements. They provide long oil/filter life and optimum equipment protection reducing both maintenance costs and product disposal costs. They were developed in conjunction with the major builders to meet the stringent requirements of severe hydraulic systems using high pressure, high output pumps as well as handling the critical requirements of other hydraulic system components.

Features and benefits

- Very good thermal and oxidation resistance
- Very good wear protection
- Outstanding resistant against deposit formation
- Very good friction modifying

Applications

- Hydraulic systems critical to deposit build-up such as sophisticated Numerically Controlled machines, particularly where close clearance servo-valves are used
- In systems containing gears and bearings
- Systems requiring a high degree of load-carrying capability and anti-wear protection
- Applications where thin oil-film corrosion protection is an asset such as systems where small amounts of water are unavoidable

Specification

- ASTM D6158-05 (HM fluids)
- DIN 51524 Part 2 HLP type
- ISO 11158 (HM 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	22	32	46	68	100	150	220
ISO Viscosity Grade	-	-	10	22	32	46	68	100	150	220
Relative Density at 15°C	g/ml	ASTM D4052	0.852	0.854	0.864	0.866	0.868	0.879	0.884	0.891
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	10	22	32	46	68	100	150	220
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	2.53	4.55	5.4	6.8	8.6	11.2	14.7	19
Viscosity Index	-	ASTM D2270	70	122	102	102	97	97	97	97
Flash Point	°C	ASTM D92	200	220	220	220	224	240	240	240
Pour Point	°C	ASTM D5985	-36	-30	-24	-24	-24	-21	-18	-21

Note:

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