

Product Data Sheet

Servosystem XLP Series

High Performance Hydraulic Oil



Description

Servosystem XLP oils are high performance Zinc based hydraulic oils having higher FZG rating.

These oils provide superior antiwear protection, excellent oxidation & thermal stability, outstanding hydraulic stability and good demulsibility. These oils provide problem free service and have been found to be superior in performance as compared to other commercially available anti-wear hydraulic oils.

Performance, Features and Benefits

- Outstanding oxidation and thermal stability , ensuring longer service life
- Greater wear protection and superior load carrying capacity.
- Excellent filterability.
- Readily separate from water because of excellent demulsibility characteristics.
- Improved air release property
- Compatible with all common construction metals and sealing materials used in Hydraulics

Application

Servosystem XLP oils are recommended as a fluid media in hydraulic systems, operating under extremely severe conditions including higher pressure and temperature.

These oils are also recommended for sophisticated high performance electro-hydraulic or numerically controlled systems. These oils are not suitable where the components are of silver or silver coated.

Approvals / Performance Standards / Recommendations

Servosystem XLP oils meets / exceeds following specifications:

- DIN 51524 Part 2
- Denison Hydraulics HF-0 , HF-1 , HF-2
- US STEEL 127
- Cincinnati Milacron (P-68, P-69, P-70)
- IS : 11656-1986 (Reaffirmed 2007)
- Vickers V-104C & Eaton 35VQ25 pump test specifications

Servosystem XLP is approved by international OEMs like Danieli Italy ; KHDHumbolt GmbH

Typical Physical Characteristics

Servosystem XLP	Method	ISO VG 22	ISO VG 32	ISO VG 46	ISO VG 68
Appearance	Visual	Clear	Clear	Clear	Clear
Color	ASTM D 1500	<1.5	<1.5	<2.0	<2.0
Kinematic Viscosity, cSt @ 40 ⁰ C	ASTM D 445	22.59	31.6	46.7	68.10
Kinematic Viscosity, cSt @ 100 ⁰ C	ASTM D 445	4.65	5.50	7.10	8.80
Viscosity Index	ASTM D 2270	125	110	110	110
Flash Point (COC), ⁰ C	ASTM D 92	188	221	232	232
Pour Point, ⁰ C	ASTM D 97	-42	-30	-30	-24
Emulsion characteristic @ 54 Deg C. Time to reach 40-37-3, in minutes	ASTM D 1401	5	10	10	10
FZG gear test(A/8.3/90), Pass Stage	DIN 51354-1/2	-	12	12	12
Foam test ,stability Seq I, ml Seq II & Seq III, ml	ASTM D 892	NIL NIL	NIL NIL	NIL NIL	NIL NIL
Copper corrosion at 100 ⁰ C, 3 hours	ASTM D 130	1	1	1	1
Rust Test	ASTM D 665 B	Pass	Pass	Pass	Pass
Oxidation Stability, TOST Life in hours	ASTM D 943	4500+	4500+	4500+	4500+

Health, Safety & Environment

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or at <https://cx.indianoil.in/>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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