



TECHNICAL DATA SHEET

HLP HYDRAULIC OIL SERIES

The HLP Hydraulic Oil Series are suitable for most hydraulic systems where high levels of anti-wear and protection are required in conjunction with good service life reliability. They are also suitable for a wide range of other applications where machinery lubricants with excellent anti-wear lubrication and resistance to degradation in service are required. Applications can include systems incorporating high speed gears and bearings, pumps, blowers and other uses where this type and quality of lubricant can assist with lubricants rationalisation.

The HLP Hydraulic Oil Series are formulated using extremely high quality base oils and incorporates additive treatments to provide excellent service life with protection against corrosion, wear, oxidation and foaming.

FEATURES

- Over 2000 Hour TOST life, twice the life of many conventional mineral oil based hydraulic fluids.
- Outstanding cleanliness and purity, guaranteed ISO Cleanliness rating of 21/19/16 or better
- Excellent protection of machinery and systems against corrosion and wear
- Excellent service life associated with excellent resistance to oxidation and thermal degradation
- Excellent anti-foam and de-aeration performance
- Compatible and miscible in storage and in service with most other mineral oils
- Good filterability for use in conjunction with most hydraulic and lubricating oil system filters
- They are fully compatible with elastomer materials commonly used for static and dynamic seals, e.g. Nitrile Butyl (perbunan* or buna n*), Polyester (hytrel*), Fluorinated (viton*/teflon*), Perfluorinated (kabrez*), and Polyurethane (adiprene*)

PERFORMANCE SPECIFICATIONS, APPROVALS & RECOMMENDATIONS:

Parker Denison	HF-0
Eaton Brochure	03-401-2010
DIN 51524	PART 1 & 2
MAG IAS	P-69, P-68, P-70
GM	LS-2
JCMAS	HK
U.S. Steel	127, 136
Bosch Rexroth	RD90220
SAE	MS1004

Details continue on next page.



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TYPICAL PHYSICAL CHARACTERISTICS

ISO VG	3	5	10	15	22	32	46	68	100	150
Density @15°C (g/cm ³)	0.830	0.833	0.848	0.858	0.864	0.859	0.874	0.876	0.882	0.888
Viscosity @40°C (cSt)	3.5	5.0	10.0	15.1	22.4	32.4	44.1	65.0	100.1	146.3
Viscosity @100°C (cSt)	-	2.8	3.4	4.3	5.4	6.7	8.7	11.3	14.7	24.8
Viscosity index	-	100	98	95	101	103	99	97	99	98
Appearance	<<Clear & Bright>>									
Product Code	05280	05290	05010	05020	14120	05030	05040	05060	05080	05090

This data sheet and the information it contains is believed to be accurate as of the date of creation. Please email technical@rockoil.co.uk or telephone +44 (0) 1925 636191 if you require any further information.