

# Product Data Sheet

## SERVOHYDRAULIC OIL 32 - 100

General Purpose Hydraulic Oils



### Description

Servohydraulic oils are anti-wear hydraulic and circulation oils specially formulated for efficient lubrication of wide variety of industrial equipment. Servohydraulic oils are blended from highly refined base stocks and carefully selected antioxidant, anti-wear, anti-rust and anti-foam additives.

### Performance, Features and Benefits

Servohydraulic oils

Provide good wear- protection, thereby prolonging service life of moving parts

Possess high film strength properties which help minimise friction and wear

Provide rust-protection, to reduce the incidence of corrosion

Have excellent resistance to oxidation.

Have reduced tendency to foam thereby minimise the chance of noisy operation and erratic actuator response.

### Application

Servohydraulic oils are recommended as fluid media for hydraulic systems and hydraulic pumps. These oils are also recommended for circulation, splash, bath and ring oiling systems of the bearings of industrial machinery. These oils can also be used for chain drives and compressor crankcase lubrication.

They are not suitable for lubrication of turbines and silver or silver coated components in any equipment.

### PERFORMANCE BENEFITS Approvals / Performance Standards / Recommendations

IS: 10522:1983 ( Reaffirmed 1993 )

Vickers V 104 C Vane Pump Test

### Typical Physical Characteristics

Parameters	Method	32	46	57	68	81	100
Appearance	Visual	Clear	Clear	Clear	Clear	Clear	Clear
Density @ 15 Deg C	ASTM D1298	0.87	0.886	0.889	0.891	0.891	0.895
Flash point COC, deg °C	ASTM D92	219	229	21	236	238	241
Pour Point, deg °C	ASTM D97	(-)9	(-)9	(-)9	(-)9	(-)9	(-)9
Kinematic viscosity at 40°C, cSt	ASTM D445	31.4	46.4	57.5	67.1	81.4	101.1
Kinematic viscosity at 100°C, cSt	ASTM D445	5.37	6.86	7.7	8.75	9.91	11.4
Viscosity Index	ASTM D2270	103	102	101	101	101	100
Copper corrosion at 100°C 3hrs	D-130	1	1	1	1	1	1
Foam test; Tend/Stab, ml							
Seq. I	ASTM D892	0/0	0/0	0/0	0/0	0/0	0/0
Seq. II		0/0	0/0	0/0	0/0	0/0	0/0
Seq. III		0/0	0/0	0/0	0/0	0/0	0/0
Rust test	D-665 B	Pass	Pass	Pass	Pass	Pass	Pass

### 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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