

Product Data Sheet

Servosystem 32-150



Description

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

Performance, Features and Benefits

Servosystem oils

- Provide good wear- protection, thereby prolonging service life of moving parts
- Possess high film strength properties which help minimize friction and wear
- Provide rust-protection, to reduce the incidence of corrosion
- Have excellent resistance to oxidation thereby giving long service life
- Have reduced tendency to foam thereby minimize the chance of noisy operation and erratic actuator response

Application

Servosystem oils are recommended as fluid media for hydraulic systems and hydraulic pumps even under severe operating conditions in stationary and mobile equipment. These oils are also recommended for circulation, splash, bath and ring oiling systems of the bearings (both plain and anti-friction) and gears of industrial machinery that require a long life lubricant. These oils can 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 Standards

- IS: 10522:1983 (Reaffirmed 2019)
- IPSS : 1-09-022

Approvals

- Bharat Pumps & Compressors Ltd., Naini
- Hindustan Machine Tools Ltd., Bangalore
- Kirloskar Bros. Ltd., Pune
- Heavy Engg. Corporation, Ranchi
- Revathi CP Equipments

Typical Physical Characteristics

ISO VG	Method	32	46	68	100	150
Appearance	Visual	Clear	Clear	Clear	Clear	Clear
Colour	D1500	1.5	2.0	2.5	3.0	4.5
Flash point COC, °C	D92	219	229	236	241	248
Pour point, °C	D97	(-)24	(-)21	(-)18	(-)15	(-)15
Kinematic viscosity at 40°C, cSt	D445	32	46	68	100	150
Viscosity Index	D2270	103	102	101	100	98
TAN, mg KOH/g	D974	0.45	0.45	0.45	0.45	0.45
Water Separability @ 54°C/82°C 40-37-3, minutes	D1401	10	10	10	15	15
Rust Test	D665 B	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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