

Product Data Sheet

Servoprime 32G / Servoprime 46G

Turbine Oil For Modern High-output Gas & Steam Turbines



Description

Servoprime 32G/46G oils have been specially formulated to satisfy the demanding requirements of modern high-output gas & steam turbines including their gear units. Servoprime G oils show exceptionally good oxidation stability, excellent demulsibility and prevent foaming tendency. These also possess good air release property. These properties are retained during prolonged service life and helps in giving outstanding performance and trouble free service.

Servoprime G provides extra anti-wear and oxidation protection. This increases life of the load gears and prevents deposits induced troubles in critical turbine systems.

Performance, Features and Benefits

- Outstanding oxidation and thermal stability that ensure long trouble free service life.
- Provide excellent anti-wear protection.
- Give excellent long term protection against rust and corrosion.
- Prevent foaming tendency.
- Release entrained air quickly
- Readily separates out water.

Application

Servoprime G oils are recommended for use in the lubrication system of gas and steam turbines operating under all service conditions. In addition, Servoprime G oils provide outstanding performance in hydraulic systems, circulation systems, enclosed bearings and other industrial machines in which long trouble free service of lubricant is required.

Approvals / Performance Standards / Recommendations

Servoprime 32G/ 46G oils exceed the following specifications:

- ALSTOM HTGD 90117
- GEK 101941 A
- BHEL, GT 10198
- TLV 901304 & TLV 901305 (Siemens)

Typical Physical Characteristics

Parameter	Method	32	46
Kinematic Viscosity @ 40°C, cSt	ASTM D445	31.86	46.1
Kinematic Viscosity @ 100°C, cSt	ASTM D445	5.67	7.28
Viscosity Index	ASTM D2270	118	119
Density @ 15°C, g/ml	ASTM D4052	0.857	0.861
Pour Point, °C	ASTM D97	-21	-21
Flash Point, COC, °C	ASTM D92	233	256
TAN, mg KOH/gm	ASTM D974	0.13	0.13
Rust Prevention,	ASTM D665B	Pass	Pass
Copper Corrosion 3 h, 100 °C	ASTM D130	1	1
Air Release Value @ 50°C in minutes	ASTM D3427	2	3
Water Separability-@54°C, 40-37-3, in minutes	ASTM D1401	10	10
FZG Load Carrying	DIN 51354	10	10
Turbine Oil oxidation test, hours	ASTM D943	>10,000	>9000
RPVOT, Minutes	ASTM D2722	1030	1025
RPVOT (Modified), % of time in unmodified test	ASTM D2722	88	88
Foaming Test, tendency / stability, ml/ml			
Seq I	ASTM D892	0/0	0/0
Seq II		0/0	0/0
Seq III		0/0	0/0

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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