

# Product Data Sheet

## Servomesh Gold

Gear Oil for Heavily Loaded Gear Boxes



### Description

Servomesh Gold series are high performance industrial gear oils formulated to ensure optimum equipment protection and oil life even under severe conditions. These oils are based on high quality mineral base stocks and advanced additive system developed to provide excellent protection against conventional wear such as scuffing, etc and also provide resistance against micropitting fatigue. It has excellent compatibility with ferrous and non-ferrous metals even at elevated temperature. These oils demonstrate improved thermal stability and oxidation resistance over conventional industrial gear oils. They have good demulsibility characteristics, low foaming tendency and provide rust and corrosion protection to metal surfaces.

### Performance, Features and Benefits

- Improved protection from micropitting fatigue
- Reduced tendency to foam
- Ensure ready separation from water due to superior demulsibility property
- Protect metals against rust and corrosion
- Superior resistance to oil degradation at high temperature
- Excellent cleanliness by preventing sludge formation
- Provide high load carrying ability
- Excellent wear protection
- Exceeds FAG FE-8 as per DIN 51819-3
- Extended equipment life

### Application

Servomesh Gold Oils are specially recommended for the lubrication of gear boxes using forced circulation or splash, oil bath lubrication. These oils are used for heavily loaded industrial gearboxes in paper, steel, cement industries, etc. These oils are recommended for the lubrication of helical, bevel and planetary type of gear units.

### Approvals / Performance Standards / Recommendations

The gear oils meet industry standards: DIN 51517-3, AGMA 9005-F16, AIST 224 (formerly US Steel 224)

- FZG Scuffing test (A/8.3/90) in accordance with DIN ISO -14635-1
- FE-8 rolling bearing test (D-7.5/80-80) in acc. With DIN 51819-3
- Flender oil Foaming test according to test description GG-V 425 and ISO 12152
- Micropitting test in accordance with FVA 54 VII
- Double speed FZG Scuffing test A/16.6/90 similar like DIN ISO 14635-2

Approved by OEMs: Flender (Siemens) , Danieli Italy, FLSmidth GmbH

## Typical Physical Characteristics

Parameters	150	220	320	460
Kinematic Viscosity@ 40°C, cSt	142	209	299	436
Viscosity Index	96	96	96	96
Flash Point, COC, °C	236	238	238	268
Pout Point, °C	(-) 12	(-) 12	(-) 9	(-) 9
Demulsibility, minutes	15	20	20	20
Weld Load, Kgs	250	250	250	250
Four ball wear test, mm	0.3	0.3	0.3	0.3
Timken OK Load, lbs	60	60	60	60
FZG Rating Fail Load Stage	>14	>14	>14	>14
FVA/54 Micropitting Test, Load Stage/Endurance Test	10 /High	10/ High	10/ High	10/ High

### 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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