



TARMOND HEAVYGEAR EP-S SERIES

SYNHETIC INDUSTRIAL GEAR OILS

Product Description:

Tarmond Heavygear EP-S series are premium quality and high-performance gear oils. They have outstanding extreme pressure characteristics and load-carrying properties. They are intended for use in all types of enclosed gear drives with circulation or splash lubrication systems. They are also suitable as a bearing oil for highly loaded plain bearings. Heavygear EP-S series has excellent anti-wear and anti-friction properties with their high-performance additives. They provide maximum wear and corrosion protection while maintaining compatibility with common gearbox seal materials. They help to maintain gearbox seal integrity thereby preventing oil leaks and keeping contamination out. By protecting the gears, bearings and seals, they can improve equipment reliability and increase productivity.

Applications:

HEAVYGEAR-EP-S series for industrial gear drives operating under severe load conditions, wide extremes in temperature and/or where high film strength is required. They are suitable for gear sets working under heavy or shock loads. They are also used in marine gearing applications.

Benefits:

- ❖ Improved bearing wear protection and bearing life resulting in higher productivity
- ❖ Outstanding compatibility with a range of seal materials, reduced leakage, oil consumption and contamination ingress helping to reduce maintenance, extend gearbox reliability and higher productivity
- ❖ Excellent resistance to oil oxidation, thermal degradation, extended lubricant life with lower lubricant and lubrication costs as well as reduced scheduled downtime
- ❖ High resistance to sludge and deposit formation thus cleaner systems and reduced maintenance

Meets the Performances:

API GL-4; DIN 51517-3; AGMA 9005; ISO 12925-1

Please check your owner's manual for the manufacturer's recommended oil viscosity grade and API classification and approvals.

Technical Data:

TARMOND	Test method								
ISO Grade		68	100	150	220	320	460	680	1000
Density at 15°C gr/cm³	ASTM D 1298	0,875	0,88	0,885	0,89	0,895	0,9	0,907	0,915
Viscosity at 40°C cSt	ASTM D 445	68	100	150	220	320	460	680	1000
Viscosity Index	ASTM D 2270	95	95	95	95	95	95	95	95
Flashpoint °C	ASTM D 92	215	220	225	235	240	245	250	250
Pour point °C	ASTM D 97	-35	-34	-33	-33	-32	-31	-30	-28
TIMKEN OK Load lbs	ASTM D 2782	60	60	65	65	65	65	65	65
FZG Scuffing, Fail Load Stage	ISO 14635-1	12	12	12	12	12	12	12	12
4 Ball EP Weld Load, kg	ASTM D2783	200	200	250	250	250	250	250	250
4 Ball WEAR 54°C /1800 rpm/20 kg/1 h Scar diameter, mm	ASTM D 2286	0,45	0,45	0,40	0,40	0,40	0,40	0,40	0,40

The above values are the typical values of the products and may vary with each batch.