



Tarmond HyGear EP-X

SYNTHETIC INDUSTRIAL GEAR OILS

Product Description:

Tarmond HyGear EP-X are premium synthetic industrial gear oils offering superior extreme pressure performance and load-carrying capacity. Suitable for enclosed gearboxes with splash or circulation lubrication systems, they provide excellent protection against wear, corrosion, and oxidation. Formulated with high-performance additives, these oils ensure reliable operation under heavy or shock loads, maintain seal integrity, and extend equipment service life.

Applications:

Tarmond HyGear-EP-X are recommended for industrial gear drives operating under severe load conditions, wide temperature extremes, 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, and 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 Specifications:

API: GL-4; DIN 52517/DIN 51517-3; ISO 12925-1; David Brown S1.53.101; AGMA 9005-D94; Flender AG; US Steel 224

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
Density at 15 °C, gr/cm ³	ASTM D 1298	0,85	0,855	0,86	0,87	0,88	0,89
Viscosity at 40 °C, cSt	ASTM D 445	68	100	150	220	320	460
Viscosity Index	ASTM D 2270	105	105	110	110	115	115
Flash Point, °C	ASTM D 92	215	220	225	235	240	245
Pour Point, °C	ASTM D 97	-35	-34	-33	-33	-32	-31
TIMKEN OK Load lbs	ASTM D 2782	60	60	65	65	65	65
FZG Scuffing, Fail Load Stage	ISO 14635-1	> 12	> 12	> 12	> 12	> 12	> 12
4 Ball EP Weld Load, kg	ASTM D 2783	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

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