



## Tarmond HyGear EP-XP

SYNTHETIC INDUSTRIAL GEAR OILS

### **Product Description:**

Tarmond HyGear EP-XP are premium fully synthetic gear oils formulated with polyalphaolefin (PAO) technology to deliver outstanding oxidation resistance, thermal stability, and low-temperature fluidity. They provide excellent extreme pressure (EP) and anti-wear performance, protect against micro-pitting, extend the service life of gears and bearings, and ensure reliable operation of enclosed gearboxes under extreme load, temperature, and environmental conditions.

### **Applications:**

TARMOND Heavygear EP-XP are recommended for enclosed industrial gear drives, including steel-on-steel spur, helical, and bevel gears. They are recommended for applications that may be subject to micro pitting, especially heavily loaded gearboxes with surface-hardened tooth metallurgies. They may also be used in gear applications where extreme low and/or high temperatures are encountered, and applications where corrosion may be severe.

### **Benefits:**

- ❖ Helps extend gear and bearing life in enclosed gear drives operating under extreme conditions of load, speed, and temperature
- ❖ Reduces unplanned downtime and maintenance costs associated with premature bearing failure and gearbox replacement, especially critical for difficult to access gearboxes
- ❖ Reduces oil consumption and maintenance costs through extended oil life and drain intervals, offers better protection of equipment and longer drain intervals for optimized maintenance costs
- ❖ Provides smooth, trouble-free operations in all operating conditions and helps reduce additional on-site filtration and associated costs
- ❖ Has superior antifoam capacity and a very low pour point for an easier start up after a longer period of inactivity

### **Meets the Performances:**

API GL-4; DIN 51517 Part 3; US Steel 224; ISO 12925-1; Cincinnati Machine P34/63/76/77/78; GE D50E32 AC; SEW EURODRIVE; David Brown S1.53.101; Flender AG

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

**Technical Data:**

<b>Tarmond HyGear EP-XP</b>	<b>Test Method</b>						
SAE Grade		<b>68</b>	<b>100</b>	<b>150</b>	<b>220</b>	<b>320</b>	<b>460</b>
Density at 15 °C, gr/cm <sup>3</sup>	ASTM D 1298	0.850	0.852	0.855	0.858	0.860	0.862
Viscosity at 40 °C, cSt	ASTM D 445	68	100	150	220	320	460
Viscosity Index	ASTM D 2270	140	145	150	155	160	165
Flash Point, °C	ASTM D 92	225	230	230	235	240	240
Pour Point, °C	ASTM D 97	-41	-40	-39	-38	-36	-35
4 Ball Ep Weld, kg, min LWI, kg, min	ASTM D 2783	250 45	250 45	250 45	250 45	250 45	250 45
4 Ball Wear 54 °C/1800 rpm/20 kg/1hr Scar Diameter, mm, Max.	ASTM D 2266	0.45	0.45	0.40	0.40	0.35	0.35
Fail Load Stage, Min.	FZG A/8.3/90	> 12	> 12	> 12	> 12	> 12	> 12
Copper Strip 3 Hours / 100 °C, Max.	ASTM D 130	1b	1b	1b	1b	1b	1b

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