

GEAR-PLUS PAO GEN 1000

INDUSTRIAL GEAR OILS

321203501

DYADE
LUBRICANTS



SYNTHETIC GEAR AND BEARING FLUIDS WITH EP ADDITIVES

These products are specifically designed for gear applications that operate in extreme conditions. They are formulated with PAO synthetic base stocks to deliver superior performance compared to conventional petroleum oils. They are also fully compatible with mineral products, ensuring a smooth transition. These products offer improved load-carrying capacity, excellent wear and rust protection, high viscosity index, high flash point, low pour point, outstanding oxidative stability, and cleaner systems. This product is recommended for use in gear systems with both plain or rolling element bearings, including open and enclosed gear systems. It is particularly suited for applications with extreme service conditions and temperatures, and can provide up to a 3% reduction in energy consumption due to its low friction properties. This product is highly recommended for use with helical, bevel, and spur gears.

CATEGORY

■ Gear Oils

BENEFITS

PROPERTY	METHOD	VALUE
Appearance		Clear
Viscosity @ 40 °C, mm ² /s	ASTM D445	1000
Viscosity @ 100 °C, mm ² /s	ASTM D445	
Viscosity index	ASTM D2270	> 200
Flash point, °C	ASTM D92	< 265
Pour point, °C	ASTM D97	< -40
Rust protection with water	ASTM D665	Pass
Rust protection with Saline	ASTM D665	Pass
4-ball wear test - Wear scar, mm	ASTM D4172	0.30
4-ball wear test - Welding load, kg	ASTM D4172	250
Copper corrosion	ASTM D130	1b
Total acid number, mg KOH/g	ASTM D664	0.50
Foam tendency, ml (seq I, II, III)	ASTM D892	0/10/0
FZG	DIN 51 354	12
Timken OK load, lbs	ASTM D2782	> 60

All data on this technical data sheet is indicative only

202312V01



DYADE LUBRICANTS B.V.
TYPOGRAAF 16 | 6921 VB DUIVEN
THE NETHERLANDS

0031 (0) 316 745 745
INFO@DYADEGLOBAL.COM
WWW.DYADEGLOBAL.COM

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