

**DESCRIPTION AND FEATURES**

Force Synthetic Gear (PAO BASE) is a high performance, synthetic gear lubricant for demanding industrial applications. The inherent thermal stability of the Synthetic Gear Oils synthetic PAO base fluids and complete range of ISO Viscosity Grades makes it useful across a very wide temperature range. This fully synthetic gear oil is filtered to a high level of purity and provides excellent Extreme Pressure protection and anti-wear properties to avoid micro pitting in all types of gearboxes. Force Synthetic Gear Oil (PAO BASE) is a true long life gear oil.

**PERFORMANCE BENEFITS**

- Extra Protection from pitching, scoring and wear.
- Supreme Anti Oxidant.
- High temperature resistancy.
- Anti Foam.
- Low corrosions with non-iron metals.

PERFORMANCE	
<b>AGMA</b>	<b>250.04</b>
<b>David Brown</b>	<b>-</b>
<b>U.S Steel</b>	<b>224</b>

**TYPICAL INSPECTIONS**

PROPERTIES	TEST METHOD	220	320	460	680	1000
Density @30 °C	ASTM D-1298-85	0.875	0.880	0.883	0.885	0.885
Viscosity @40 °C	ASTM D-445	220	320	460	680	1000
Viscosity @100 °C	ASTM D-445	26.9	35.8	47.0	63.0	99.4
Viscosity Index	ASTM D-2270	164	165	166	168	165
TAN , mg KOH/g	ASTM D-974	0.9	0.9	0.9	0.9	0.9
Colour	ASTM D-1500	0.5	0.5	0.5	0.5	0.5
Flash Point, °C	ASTM D-92	240	240	240	242	242
Pour Point, °C	ASTM D-97	-28	-26	-26	-24	-24
Water content, Crackle	Cracking Test	Dry	Dry	Dry	Dry	Dry
Timken OK load, 1b	Timken OK Test	95	95	95	95	95
No. Stage Passed	FZG Test	12	12	12	12	12