

### PETROSYN GEARLUBE

PETROSYN GEARLUBE OIL series are premium quality synthetic heavy-duty industrial gear oils offering outstanding lubrication performance and load carrying capacity under severe operating conditions including shock loading.

These are formulated from Polyalphaolefin (PAO) synthetic base stocks having exceptional oxidation resistance and thermal properties and excellent low temperature fluidity. The combination of naturally high viscosity index base stocks coupled with carefully selected additive technology provides excellent protection against scuffing and resistance against micro pitting fatigue under wide operating temperature range.

#### BENEFITS

- Outstanding load carrying capability and micro-pitting performance protects gears against scuffing and wear leading to enhanced equipment life and reduced maintenance costs.
- High viscosity index base stocks provide excellent low temperature fluidity and effective lubrication over a wide temperature range.
- Superior thermo-oxidative stability provides enhanced system cleanliness and enables longer service intervals
- Low traction and enhanced lubricity helps provide extra energy efficiency.
- Excellent resistance to rust and corrosion protection and good demulsibility ensures trouble free operation at high temperatures and applications encountering water contamination.
- Good seal and paint compatibility with a wide variety of seals and paints

#### PERFORMANCE LEVEL

Petromin Petrosyn Gearlube meets or exceeds the requirements of:

- AGMA 250.04 (EP)
- David Brown Table E
- U.S. Steel 224
- DIN 51517 Part 3
- AGMA 251.02 (EP)
- AGMA 9005-D94 (EP)

#### APPLICATIONS

Heavy-duty industrial enclosed gear boxes operating under severe conditions like high load, extreme temperatures and wide temperature ranges.

Filled for life systems, Bearing and circulation systems where high temperatures are encountered, it is suitable for remotely located gearboxes, where oil change-out is difficult.



## PRODUCT DATA SHEET

### PRODUCT CHARACTERISTICS\*

PROPERTIES	UNIT S	VALUE					TEST METHOD
ISO Grade	-	<b>150</b>	<b>220</b>	<b>320</b>	<b>460</b>	<b>680</b>	DIN 51511
AGMA Lubricant Number	-	<b>4EP</b>	<b>5EP</b>	<b>6EP</b>	<b>7EP</b>	<b>8EP</b>	-
Specific Gravity @ 15 °C	-	0.848	0.853	0.857	0.859	0.868	ASTM D-4052
Viscosity @ 40 °C	mm <sup>2</sup> /s	150.1	220.4	320.5	460.7	681	ASTM D-445
Viscosity @ 100 °C	mm <sup>2</sup> /s	19.0	25.4	34.1	45.6	61.3	ASTM D-445
Viscosity Index	-	144	146	150	155	158	ASTM D-2270
Flash Point, COC	°C	247	249	251	257	261	ASTM D-92
Pour Point	°C	-36	-33	-30	-27	-24	ASTM D-97
Timken OK Load	Lb	60	60	70	70	70	-
FZG Test, NO. Stage Passed	-	12	12	12	12	12	-
Rust Test	-	Pass	Pass	Pass	Pass	Pass	-
Copper Strip Corrosion Test	-	1a	1a	1a	1a	1a	ASTM D-130
Color	-	0.5	L 1.0	1.0	L 1.5	1.5	ASTM D-1500
<b>Product Code</b>		<b>4503</b>	<b>4501</b>	<b>4601</b>	<b>4801</b>	<b>4504</b>	

\*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

