



OX-165

Def Stan 91-71/2 Synthetic Gear Oil

Description

OX-165 is a specifically designed synthetic gear oil qualified to specification **Def Stan 91-71/2**.

Application

For use in spiral bevel gears and in transmissions incorporating a hydraulic steering system in aircraft arrester barriers, operated over the temperature range of -40°C/-40°F to +150°C/+302°F. Also in fuel and lube oil centrifuges.

Product Care

This material is not intended for use with conventional hypoid gears. This oil is incompatible with mineral oils and must not be used as a top up fluid for addition to equipment containing mineral oils. This material also has deleterious effects on certain elastomers, paints and leather.

Typical Characteristics

Name	Method	Units	OX-165
Appearance	Visual	-	Homogenous, clear, free from visible impurities.
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m ³	1010
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	158
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	22.5
Viscosity Index	ISO 2909 / ASTM D2270	-	170
Flash Point - open cup method	ISO 2592 / ASTM D92 / IP 36	°C/°F	255 / 491
Pour Point	ISO 3016 / ASTM D97	°C/°F	-30 / - 22
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892 / IP 146	ml / ml	Nil / Nil
Foam Sequence II - tendency / stability	ISO 6247 / ASTM D892	ml / ml	Nil / Nil
Foam Sequence III - tendency / stability	ISO 6247 / ASTM D892	ml / ml	Nil / Nil
Ash content	ISO 6244 / ASTM D482 / IP 4	% wt	< 0,01
Rust test - synthetic seawater (24 hrs)	ISO 7120 / ASTM D665B / IP 135	Rating	No Rust
Acid Number	ISO 6619 / ASTM D664 / IP 177	mg KOH/g	0.5
Water Content ppm	DIN 51777-1	ppm	< 1000
Def Stan 91-71/2	Tests 1 - 14	-	Pass

Subject to usual manufacturing tolerances.

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