

Alisyn[®] ProGear 21 Type 4

Synthetic Lubricating Oil

CHARACTERISTICS

Alisyn ProGear 21 Type 4 is a 85W-140, that offers the performance and the protection of a GL-4 & GL-5 heavy-duty gear oil. In addition it is oxidatively stable, corrosion resistant, wide temperature range synthetic lubricating oil. It is compatible with copper and brass, most plastics, elastomeric, and rubber seals, gaskets, and O-rings, except EPDM rubber.

APPLICATIONS

Alisyn ProGear 21 Type 4 is race proven in the most demanding racing environments... from Indy Cars, GTP Lights,

SCCA Endurance Cars, Circle Track cars, Pro Stock, and Pro Modified drag cars. The additive package was formulated to give exceptional load carrying capabilities (+4500 lb. Falex loads) while offering superior oxidation stability compared to other lubricants on the market. Customers report reduced gear box temperatures up to 45°F when compared to conventional lubricants and up to 30°F compared to other synthetic gear lubricants. These performance characteristics result in gear box operating efficiency increases of up to 15%.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-30°F to 400°F
SAE No.			85W-140 Gear
ISO VG	ASTM D-2422		+320
Viscosity	ASTM D-445	@ 210°F	37.14 cSt
		@ 100°F	374.2 cSt
		@ 0°F	cSt
		@ -40°F	cSt
Viscosity Index	ASTM D-2270		154
Evaporation	ASTM D-2595	6.5 hrs @ 400°F	%
Flash Point	ASTM D-92		229°C
Fire Point	ASTM D-92		F
Pour Point	ASTM D-97		-29°C
Load Wear Index	ASTM D-2783		48.41
Last Non-Seizure		Load/Wear Scar	100 kg/0.42 mm
Last Seizure		Load/Wear Scar	250 kg/2.46 mm
Weld Load		Load	315 kg
Steel-on-Steel Wear	ASTM D-4172	1200 rpm, 40 kg, 52100 Steel, 1 hr	0.47 mm
Specific Gravity	ASTM D1298	@ 60°/60°F	0.8644
API Gravity	ASTM D-1298		32.2
Rust Preventive Properties	ASTM D-665	Procedure A	Pass
		Procedure B	Pass
Oxidation Test	ASTM D-2893	312 hrs @ 203°F	
		Viscosity Incr. @ 212°F	1.8%
		Precipitation No., Orig.	0.0
		Precipitation No., Orig.	Trace
Foam Test	ASTM D-892	Sequence 1 (mls @ 5 min air/mls settling)	Trace/Nil @ 2 min
		Sequence 2 (mls @ 5 min air/mls settling)	15Mils/0 @ 10 sec
		Sequence 3 (mls @ 5 min air/mls settling)	30/0 @ 15 sec
Falex EP Test	ASTM D-3233	Last Pass Load Conv. to Contact Pressure	4,500 lbs 202,980 psi
Timken Load Arm	ASTM D-2782	OK Load, lbs	+85
		Fail Load, lbs	+90
FZG Gear Test		Load Stage	+ 12 Stage