

Alisyn[®] ProDrive 21 Type 1

Synthetic Lubricating Oil

CHARACTERISTICS

Alisyn ProDrive 21 Type 1 <<0W is a very light viscosity, oxidatively stable, corrosion resistant, wide temperature range synthetic lubricating oil offering the same protection as a heavy duty motor oil. It is compatible with most plastic, elastomeric, and rubber seals, gaskets, and O-rings, except EPDM rubber.

APPLICATIONS

Alisyn ProDrive Racing Oils have been race proven in the most demanding environments. Indy Cars, GTP Lights, SCAA Endurance Cars, Pro Stock, Pro Modified Drag Cars, and high performance motorcycle and marine engines have all used these oils. Our additive package gives exceptional load carrying capability (+4500 lb. Falex loads) while offering superior oxidation stability. Operating temperatures reductions of 30°F to 45°F and operating efficiency gains of 15% can be expected when compared to conventional lubricants or other synthetics.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-80°F to 300°F
SAE No.			<< 0W
ISO VG	ASTM D-2422		15
Viscosity	ASTM D-445	@ 210°F	36.7 SUS/3.16 cSt
		@ 100°F	74.3 SUS/14.20 cSt
		@ 0°F	247 cSt
		@ -40°F	2,560 cSt
		@ -65°F	18,900 cSt
Viscosity Index	ASTM D-2270		85
Evaporation	ASTM D-2595	6.5 hrs @ 400°F	2.0%
Flash Point	ASTM D-92		360°F
Fire Point	ASTM D-92		390°F
Pour Point	ASTM D-97		-80°F
Load Wear Index	ASTM D-2783		36.30
Last Non-Seizure		Load/Wear Scar	80 kg/0.41 mm
Last Seizure		Load/Wear Scar	160 kg/2.19 mm
Weld Load		Load	200 kg
Steel-on-Steel Wear	ASTM D-4172	1200 rpm, 40 kg, 52100 Steel, 1 hr	0.65 mm
Specific Gravity	ASTM D1298	@ 60°/60°F	0.8368
API Gravity	ASTM D-1298		37.6
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	0.97%
		Precipitation No., Orig.	0.0
		Precipitation No., Orig.	0.03 ml
Foam Test	ASTM D-892	Sequence 1 (mls @ 5 min air/mls settling)	15/0 @ 5 sec
		Sequence 2 (mls @ 5 min air/mls settling)	15/0 @ 3 sec
		Sequence 3 (mls @ 5 min air/mls settling)	20/0 @ 5 sec
Falex EP Test	ASTM D-3233	Last Pass Load	4,500 lbs
		Conv. to Contact Pressure	210,000 psi
Timken Load Arm	ASTM D-2782	OK Load, lbs	+90
		Fail Load, lbs	+90
FZG Gear Test		Load Stage	+ 12 Stage