

INDELAC ACTUATORS LUBRICANT: LUBRIPLATE SYN GR-132

LUBRIPLATE SYN GR-132 is a 100% synthetic, state-of-the-art grease for medium to very high speed antifriction bearings. Its polyalphaolefin (PAO) plus ester base fluid combined with a lithium complex thickener makes LUBRIPLATE SYN GR-132 very compatible with many types of mineral oil based and synthetic greases. The PAO/Ester combination also enables LUBRIPLATE SYN GR-132 to accommodate very low application temperatures. LUBRIPLATE SYN GR-132 is ideal for permanent lubrication in all Indelac actuators.

Physical Properties	Method	Unit	Result
Appearance	Visual		Off-White
Texture	Visual		Smooth
Thickener Type			Lithium Complex
NLGI Grade			2
Worked Penetration 60 Strokes	ASTM D-217		265 - 295
Dropping Point	ASTM D-566	°C/°F	230°/445°
Service Temperature Range (Estim.)		°C/°F	-45° to 130°/-49° to 266°
Base Fluid Type			PAO/Ester
Viscosity @ 40°C	ASTM D-445	cSt	23
Pour Point	ASTM D-97	°C/°F	< -55°/-67°
Flash Point	ASTM D-92	°C/°F	196°/385°

Performance Characteristics	Method	Unit	Result
Water Washout	ASTM D-1264	%	< 3.0
Emcor Rust Test (Distilled Water)	ASTM D-6138	Rating	0
Rust Preventive Properties (48 hrs & 52°C)	ASTM D-1743	Rating	Pass; No Corrosion
Pressure Vessel Oxidation Test @ 100 hrs	ASTM D-942	psi	1.5 psi drop
Oil Separation, 24 hrs @ 150°C	ASTM D-1742	%	< 5.0
Four Ball Wear, 40 Kg, 1200 rpm; 1 hr @ 75°C	ASTM D-2266	mm	0.50
Four Ball Weld Load	ASTM D-2596	Kg	200
Low Temperature Torque @ -20°C	ASTM D-1478		
Starting Torque		g-cm	436
1 Hour Running Torque		g-cm	169

Penetration Properties	Method	Result
Penetration Unworked	ASTM D-217	281
Penetration Worked 60 Strokes	ASTM D-217	282
Penetration Worked 10,000 Strokes	ASTM D-217	284

Lincoln Ventmeter Test Results:

400 PSIG Vent Reading @ 76°F
 500 PSIG Vent Reading @ 30°F
 700 PSIG Vent Reading @ 0°F



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