

# TRIBOLUBE<sup>®</sup>-21

## Synthetic Hydrocarbon Greases

### CHARACTERISTICS

**Tribolube-21** is the first U.S.D.A. H-1 true high performance, wide operating temperature range synthetic grease lubricant for use in Federally inspected meat and poultry plants. This U.S.D.A. H-1 grease will give long service life in a 10,000 rpm bearing at 350°F. NSF Registration No. 126603

### APPLICATIONS

Tribolube-21 is recommended for use in ball, roller, and plain spherical bearings for industrial and commercial food processing equipment.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-80 °F to 400°F
NLGI No.			2
Unworked Penetration	ASTM D-217	@ 77°F	285
Worked Penetration	ASTM D-217	60 Strokes	289
Worked Stability	FED-STD-791 Method 313	100,000 Strokes	315
Dropping Point	ASTM D-2265		526°F
Evaporation	ASTM D-2595	22 hrs @ 350°F	4.40%
Oil Separation	FED-STD-791 Method 321	30 hrs @ 350°F	6.89%
Water Washout	ASTM D-1264	1 hr @ 105°F	4.0%
Bomb Oxidation	ASTM D-942	100 hrs @ 210°F	-1 psi
		500 hrs @ 210°F	-2 psi
Dirt count	FED-STD-791 Method 3005	25 - 74 microns	76/cc
		Over 75 microns	0/cc
Rust Prevention Properties	ASTM D-1743	48 hrs @ 125°F	1
Load Wear Index	ASTM D-2596	@ 77°F	35.72
Last Non-Seizure		Load/Wear Scar	63 kg/0.38 mm
Last Seizure		Load/Wear Scar	200 kg/2.33 mm
Weld Point		Load	250 kg
Steel-on-Steel Wear	ASTM D-2266	1,200 rpm, 40 kg, 167°F, 2 hrs, 52100 Steel	0.89 mm
High Temp. Performance	ASTM D-3336	350°F, 10,000 rpm, 5 lbs.	582 hrs.
Low Temperature Torque	ASTM D-1478	@ -65°F	
		Starting	1,950 gm-cm
		Running	325 gm-cm
Corrosion on Copper	ASTM D-4048	24 hrs @ 212°F	1a
Rubber Swell	FED-STD-791 Method 3603	"L" Stock, 168 hrs @ 158°F	1.84%
Falex EP Test	ASTM D-3233	Last Pass Load	1,250 lbs.
		Conversion to Contact Pressure	45,766 psi.

*Extending Component Life with Tribolube Synthetic Lubricants<sup>®</sup>*