

STREX-455

SYNTHETIC GREASE

Product Description

STREX-455 is high performance, extreme-pressure greases which combine a synthetic base fluid with a lithium complex soap thickener. The thickener system provides a high dropping point, excellent resistance to water wash, and a tenacious structural stability. The unique physical properties of the synthetic base oil, combined with selective additives, provide outstanding protection against wear, rust, corrosion and high temperature degradation.

The wax-free feature of the synthetic base oil allows for low temperature mobility/pump ability and very low starting and running torque values. Also the traction property of the synthetic base fluid in these greases is considerably lower than mineral oil, allowing for temperature reductions in the load zone of rolling element bearings

Applications

STREX-455/220 is recommended for industrial applications which need a lubricant that can perform normal functions yet go far beyond in terms of high and low temperature and long-life performance. It is NLGI Grade 2 grease having the cold temperatures pumping resistance of most NLGI Grade 0 greases. It is a true wide temperature, multi service grease.

STREX-455/460 an NLGI Grade I ½ grease is recommended for industrial application at both high and low temperatures. It will provide outstanding bearing protection under heavy loads at low to moderately high speeds, and where water is a factor. STREX-455/460 has performed extremely well in steel mill and paper mill applications. It also has proven exceptional service automotive chassis grease

Features/ Benefits

STREX-455 synthetic grease provides the following advantages when compared with mineral oil Grease intended for similar service. Operating range of -40° C to +240° C Excellent resistance to Rust, corrosion and oxidation Outstanding structural stability in the presence of water. Excellent Wear protection under heavy loads and high temperatures

Power saving capabilities. Extended re-lubrication intervals .Low volatility

Typical Properties

STREX-455/220	220	460	Test Method
NLGI GRADE	2	1 1/2	
Soap Type	Lithium Complex		
Structure, Visual	Smooth, Slight Tack		
Color, Visual	Red		
Penetration, Worked			ASTM D 217
X 60 strokes	280	305	
X 10,000 strokes	295	322	
X 100,000 strokes	305	334	
Dropping Point °C (°F)	246(475)	246(475)	ASTM D 2265
Viscosity of Oil			ASTM D 445
CST at 40°C	220	460	
CST at 100°C	23.8	46.5	
SUS at 100°F	1100	2400	
SUS at 210°F	114	215	
ISO VG	220	460	
EP and Wear Protection			
Four Ball Wear Test, Scar dia.,mm,max	0.65	0.8	ASTM D 2266
Four Ball EP Weld Load, kg	250	250	ASTM D 2296
Load Wear Index	45	49	
Corrosion Prevention, Rust Test	Pass	Pass	ASTM D 1743
Emcor/SKF Water Wash Test, IP 220 Modified	0/0	0/0	
Water Washout, 79°C (175°F) wt %	4	3	ASTM D 1264
Bomb Oxidation, psi loss 100hr, 210°F	2	2	ASTM D 942
Bomb Oxidation, psi loss 500hr, 210°F	4	4	ASTM D 942

PETRELPLUS INC.

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Available pack: 1, 18,180 KG

Shelf Life - 36 Months from the Manufacturing month

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly. The Material Safety Data Sheet (MSDS) are available upon request through our sales office. All related specifications are meets or exceeds.

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