LubeCon Series 525 Lubricant

Description

LubeCon Series 525 is a synthetic, high temperature chain oil formulated with premium base fluids and select additives for the most demanding high temperature chain applications in the industry. It provides a unique and unsurpassed combination of extremely low volatility and low residue formation tendencies that allow for reduced lubricant consumption. LubeCon Series 525 High Temperature Chain Oil is manufactured from a blend of esters and synthetic fluids selected for their favorable volatility characteristics as well as their physical and chemical stability at high temperatures with extremely low residue forming tendencies. LubeCon Series 525 lubricant can support fluid film lubrication on chain pins over a broad high temperature range. The lubricant contains anti-wear additives for additional protection in boundary lubrication from surging loads and extreme temperatures. LubeCon Series 525 lubricant contains inhibitors against corrosion and oxidation.

Application

LubeCon Series 525 High Temperature Chain Oil is designed and most effective for chain operating temperature applications between 350°F/175°C, the point at which synthetics become cost effective, and 575°F/330°C. LubeCon Series 525 maintains peak performance over the entire temperature range. With more frequent relubrication, LubeCon Series 525 continues to perform at temperatures beyond 575°F/330°C. LubeCon Series 525 lubricant is designed for the lubrication of roller chains, slides, cams and general lubrication where a high temperature synthetic lubricant is needed. Major applications include industries using high temperature convey or systems used for baking, coating, drying and curing. Product application may be achieved by dip, spray, splash and automatic dispensing equipment. Use of LubeCon automatic lubrication system is recommended to provide the most benefit from the use of LubeCon Series 525.

Advantages

Application rate and frequency can be minimized due to extremely low volatility. Lubricant consumption is minimized. Minimal residue forming tendency and cleansing action virtually eliminates shutdowns for periodic cleaning of equipment. Dissolves and facilitates removal of pre-existing gum, varnish and carbonaceous residue. Dripping and blow-off are minimized by reduced lubricant application requirements. Excellent fluid film and anti-wear properties result in extended chain life and potential for energy reduction. Fire and explosion possibilities are minimized due to extremely low volatility improving Safety and Environmental conditions. Overall cost reduction is accomplished by extended lubrication cycles, reduced contamination, decreased downtime for maintenance and repair, and longer parts life.

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Typical Characteristics

	Test Method	Unit	Value
Specific Gravity	ASTM D-1298	@ 15.6°C / 60°F	0.835
API Gravity	ASTM D 1298	@ 15.6°C / 60°F	38
ISO Viscosity Grade	ASTM D-2422	-	22
Viscosity	ASTM D 445, D 2161	@40°C, cSt	22
Viscosity Index	ASTM D-2270	-	92
Flash Point	ASTM D 92, COC	°C/°F	121/ 250
Pour Point	ASTM D-97	°C/°F	-40/-40
Rust Test	ASTM D-665	Procedure A Distilled Water	Pass
Four Ball Wear Test	Scar Diameter, mm	40 kg, 75°C/167°, 1800 rpm, 1 hr	0.39
Conradson Carbon Residue	ASTM D189	wt. %	0.08
Falex Wear Test	ASTM D2670	teeth	9
Falex EP	ASTM D-3233	Direct Load Fail Stage, lbs	1250

Subject to Usual Manufacturing Tolerances.

Additional Information

LubeCon Series 525 High Temperature Chain Oil is compatible with petroleum and most synthetic based lubricants. While LubeCon Series 525 can dissolve even hardened chain deposits from the previously used lubricant, it is recommended to clean the chain thoroughly before changeover to LubeCon Series 525 to realize maximum benefits. If this is not feasible, run chain through several cycles under no-load conditions when first applying LubeCon Series 525. LubeCon Series 525 should not be used around parts containing polycarbonates as it can have a softening effect. Under no circumstances should it be used where neoprene seals are used.

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