



LubeCon Series 663 Lubricant

Conveyor Lubricant

Description

LubeCon Series 663 is a fully synthetic fluid specifically formulated for use in machinery and on conveyors found in cathodic electro deposition (Electro coat) processes, painting, and high temperature drying and curing. This fluid is compatible with most water-based paints and coatings including water-based cathodic dip coatings to prevent cratering and surface disruption. The base fluids have been specially selected to provide Low Volatility to retain fluid-film in applications subjected to high temperatures, Anti-wear and extreme pressure (EP) characteristics to protect contacting surfaces. A synergistic combination of lubrication equipment and premium lubricant provides positive and precise lubrication with maximum protection over a temperature range of -20°F to 500°F .

LubeCon Series 663 is a blend of select, water soluble, synthetic fluids known for their natural lubricity. The base fluids are selected for favorable volatility characteristics, high viscosity indices and chemical and thermal stability (very high viscosity index). An advanced additive system provides additional anti-wear and extreme pressure characteristics under boundary conditions. Inhibitors further enhance the synthetic fluid's naturally high temperature to oxidation. LubeCon Series 663 is engineered for optimized application by LubeCon equipment allowing for precise amounts of the fluid to be directed to the lube points at the right time, every time. Series 663 offers an essentially dry, residual lubricating film that provides exceptional protection at elevated temperatures due to the synthetic base fluid.

Application

LubeCon Series 663 is used to lubricate machinery where compatibility with water-based paints and coatings is critical. LubeCon Series 663 is most suitable for automotive production lines that usually include cathodic electro deposition, water-based painting (coating), then drying and curing in an oven. Typically these operations include immersing parts into baths from moving overhead conveyors.

Contamination from dripping lubricant is always a threat to production and process baths. Should LubeCon Series 663 ever drip into a water based process bath, it would dissolve and disperse preventing accumulation and the disruption of coatings or electro depositions.

Advantages

Compatibility with the Electro coat process and most water-based paints eliminates lubricant-related "fish eyes" and craters, reducing rework and refinishing costs.

Typical Characteristics

	Test Method	Unit	Value
Color	Visual	-	Clear amber
Specific Gravity	ASTM D-1298	@ 60°F (16°C)	1.048
ISO Viscosity Grade	ASTM D-2422	-	220
Viscosity	ASTM D-445, cSt/SUS	@ 100 °F	244 / 1130
Viscosity	ASTM D-445, cSt/SUS	@ 210 °F	39.6 / 186
Viscosity	ASTM D-445, cSt	@ 40 °C	224
Viscosity	ASTM D-445, cSt	@ 100 °C	38.6
Viscosity Index	ASTM D-2279	-	225
Pour Point	ASTM D-97	°F/°C	-40/-40
Flash Point	ASTM D-92 COC	°F/°C	565 / 296
Rust Protection	ASTM D-665	-	Pass
Copper Corrosion	ASTM D-130	-	1b
Four Ball Wear	Scar Diameter, mm	40kg,75°C/167*1800 rpm,1 hr	0.35

Additional Information

LubeCon Series 663 is NOT compatible with mineral (petroleum) based lubricants. When changing over to LubeCon Series 663 from ANY other lubricant, the sytem must be thoroughly cleaned. Assure that hoses, seals, reservoirs, coatings and other components that contact the fluid are compatible with polyglycol fluids.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.

It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by LUBECON USA, LLC for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. Please consult our local representative if you require any further information.

LUBECON USA, LLC 201 N Webster St. White Cloud, MI 49349
1-800-582-3266

www.lubeconusa.com