MOLYKOTE® S-1503 High Temperature/Low Friction Chain Oil

Synthetic oil for lubricating highly stressed metal chains, even at very high temperatures (250°C/482°F); very low coefficient of friction

Features

- Wide service-temperature range (-20°C/-4°F to 250°C/482°F)
- Longer lubrication intervals, even at very high temperatures (up to 250°C/482°F)
- Very low coefficient of friction

Composition

- Mixture of synthetic oils
- Friction improver additives
- Corrosion inhibitors
- EP additives
- Oxidation inhibitors

Applications

All kind of oil-lubricated chains. Suitable and used for oil-lubricated chains in lacquering plants and drying installations.

How to use

Apply with brush, spray-can, spray gun, drop-feed oiler or conventional metering devices. MOLYKOTE® S-1503 High Temperature/Low Friction Chain Oil can also be applied by dipping.

Handling precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

Usable life and storage

When stored at or below 20°C (68°F) in the original unopened containers, this product has a usable life of 60 months from the date of production.

Typical properties

Specification writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE® sales representative prior to writing specifications on this product.

Standard[1]	Test	Unit	Result
	Color		Greenish, transparent
Density, viscosity			
ASTM D4052	Density at 15°C (59°F)	g/cm^3	0.970
ASTM D445	Viscosity at 40°C (104°F)	mm^2/s	200-240
	ISO VG[2]		220
ASTM D445	Viscosity at 100°C (212°F)	mm^2/s	15.5-17.5
Temperature			
	Service temperature	°C	-20 to 250
		°F	-4 to 482
ASTM D92	Flash point	°C	>250
		°F	>482
	Evaporation rate after 24 hours at 200°C (392°F)	%	<2.0
	Oxidation resistance after 4 hours at 200°C (392°F), 200 ml O_2/minute, weight loss	%	<5

[1]ASTM: American Society for Testing and Materials.
[2]ISO: International Standardization Organization.

Continued on next page

Typical properties (continued)

Standard[1]	Test	Unit	Result
Load-carrying capacity, wear protection, service life			
ASTM D4172	FBM (1 hour/400 N/ 1,200 rpm) wear scar diameter	mm	<0.40
ASTM D2783	FBM, weld load	N	2,500
ASTM D5707	SRV coefficient of friction (200 N, 1 mm, 50 Hz, 50°C/122°F)		0.04

[1]ASTM: American Society for Testing and Materials.

Packaging

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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