



Rheotemp[®] 763G vs. Rheolube[®] 374HT

A polyurea thickened, medium viscosity, synthetic hydrocarbon grease designed for low voltage switches and high temperature applications.

REPLACEMENT OVERVIEW

Due to the discontinuance of a key component in the Rheolube 374HT formulation, Nye Lubricants can no longer continue the manufacture of 374HT. As a result, significant time and effort has gone into the development of a direct replacement product to be used in all applications where 374HT has been specified.

Nye Lubricants, Inc. is pleased to announce that we have formulated and commercialized Rheotemp 763G, which meets, and exceeds, the performance of 374HT.

PACKAGING OPTIONS

- 385 lb drum
- 110 lb keg
- 35 lb pail
- 1 kg jar
- 55 cc cartridge

If your application requires a specific container, please contact us for custom packaging.

APPLICATION

Rheotemp 763G is the next generation low voltage switch grease, developed for use on moving electrical contacts and interfaces that involve high cycle requirements, and may involve micro-arcing that contributes to elevated temperatures, all of which can create component wear and reduced conductivity, and can result in premature switch failure. This polyurea thickened grease provides exceptionally high dropping point, negligible oil bleed, and can withstand temperatures up to 175°C with little or no effect on long-term performance.

TYPICAL PROPERTIES

Lubricant Properties		Rheotemp 763G	Rheolube 374HT	Test Methods
Recommended Service Range (°C)		-54 to 175	-54 to 175	
Thickener		Polyurea	Polyurea	
Base Oil		PAO/AN	PAO/AN	
Kinematic Viscosity (100°C)		7 cSt	7 cSt	ASTM D-445
Kinematic Viscosity (40°C)		43 cSt	43 cSt	ASTM D-445
Viscosity Index		128	128	ASTM D-2270
Color		Tan	Tan	
Penetration (1/10mm)	Unworked	238	234	ASTM D-217
	Worked (60 X)	269	287	ASTM D-217
	NLGI Grade	2	2	ASTM D-217
Density at 25°C (gm/cm ³)		0.865	0.86	CTM-3
Dropping Point (°C)		292	170	ASTM D-2265
Oil Separation at 100°C (24 hrs.)		0.5%	0.11%	ASTM D-6184
Evaporation at 100°C (24 hrs.)		0.1%	0.1%	ASTM D-972
Copper Corrosion at 100°C (24 hrs.)		1A	1B	ASTM D-4048
SRV, Coefficient of Friction & Wear Properties (50°C, 50 Hz, 200 Nn)	Coefficient of Friction	0.121	0.152	ASTM D-5707
	Wear Scar	0.628	1.316	ASTM D-5707

SAMPLES

Rheotemp 763G samples are now available for testing and re-qualification. To best serve your needs, all inquiries should be directed through your Nye Regional Engineering contact, or you may simply contact the nearest Nye Lubricants, Inc. Regional Engineering Office.

