Rheolube™ 374A

Boeing Landing Gear Lubricant

A lithium soap thickened, medium viscosity synthetic hydrocarbon grease designed for high speed and temperature applications.

Nye Rheolube 374A has been used for **Military Specification MIL-PRF-32014** applications for many years. It is used on military aircraft landing gear due to its excellent corrosion inhibition and wear resistance. Rheolube 374A is heavily fortified with performance improving additives and has demonstrated outstanding results in bench tests, in an engine test, and in the actual application. Therefore, Boeing Commercial Airlines has approved MIL-PRF-32014 (Rheolube 374A) as the main landing gear lubricant on all its 777 aircraft.

Nye Lubricants is now working with Boeing on **Boeing Material Specification BMS3-43**, currently being drafted. Once this specification is approved, Nye will be listed on the Boeing QPL as an approved source for BMS3-43, specifying the main landing gear lubricant for many Boeing airplanes such as 747, 757, 767 and 777 platforms.

Typical Properties

Lubricant Properties	Typical Value	Test Method
Temperature Range	-54 to 175°C	
Base Oil	PAO	
Thickener	Lithium Soap	
Kinematic Viscosity (100°C)	16.9 cSt	ASTM D-445
Kinematic Viscosity (40°C)	121 cSt	ASTM D-445
Viscosity Index	153	ASTM D-2270
Flash Point	276°C	ASTM D-92
Evaporation (24hrs, 100°C)	0.29%	ASTM D-972
Copper Corrosion (24hrs, 100°C)	1B, slight tarnish	ASTM D-4048
Water Washout (1hr, 41°C)	3.2%	ASTM D-1264

Nye also manufactures and commercializes other **oils and greases** for the commercial aviation industry. Additional lubricants are available to meet a wide range of application requirements. For further information, technical specifications, evaluation samples, questions about any Nye product, or to discuss a lubricant custom-designed for your application - call us at +1.508.996.6721 or visit us at www.nyelubricants.com.

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