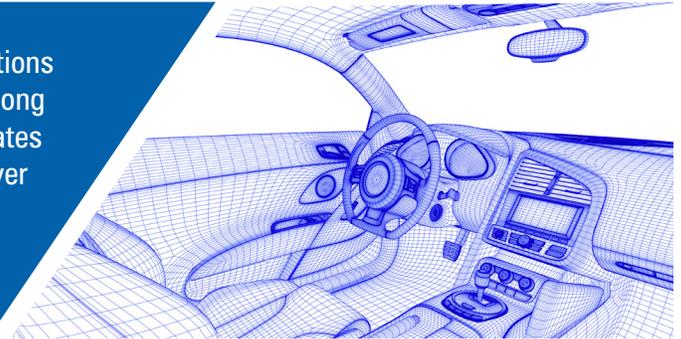


Synthetic hydrocarbon grease with superior corrosion protection, and resistance to oxidation to prolong automotive component service life.

Rheolube® 462 was formulated for low-temperature applications to exceed the OEM requirement of -40°C. The grease has a long service life due to its resistance to oxidation, and demonstrates improved load carrying ability and anti-wear performance over competitive greases. Nye's advanced formulation offers advantages in many plastic-on-plastic gears or plastic-on-metal material combinations for the automotive industry.



PRODUCT DESCRIPTION

Rheolube® 462 is a lithium soap thickened synthetic hydrocarbon grease, designed to perform at extremely low temperatures, while providing superior wear protection across the usable temperature range. The grease contains a UV indicator for visual inspection.

ADVANTAGES OF RHEOLUBE® 462

-  Superior corrosion protection
-  Excellent load carrying ability
-  Resistance to oxidation and aging
-  Exceeds OEM requirement of -40°C
-  Reduces wear
-  Prolongs component life

TYPICAL APPLICATIONS

Developed for automotive applications, including small gears and rolling bearings found in motors, electromechanical devices and electric signaling systems. 462 can also be used in the following applications:

EXTERIOR

Sunroof
 Exterior Mirrors
 Headlights
 Wiper Motors

CHASSIS

Steering Column Systems
 Electric Braking Systems



INTERIOR

Seating Systems
 Door Lock Mechanisms
 Window Lifters
 Headrests
 HVAC Actuators

POWERTRAIN

Gear Shift Actuators



TYPICAL PROPERTIES: RHEOLUBE® 462 VS. COMPETITIVE GREASE

Lubricant Properties	Conditions	Rheolube® 462	Competitive Grease	Test Method
Chemistry		Lithium Soap / PAO	Lithium Soap / PAO	
Service Temperature Range (°C)		-54 to 130	-60 to 130	
Color / Texture		Beige / Smooth	Beige / Smooth	
NLGI Grade		2	2	ASTM D-217
Penetration	P0 (25°C)	272	276	ASTM D-1403
	P60 (25°C)	271	272	
Dropping Point	1hr, 80°C	203°C	195°C	ASTM D-2265
Copper Corrosion	24 hrs, 150°C	1a, Slight Tarnish	2c, Moderate Tarnish	ASTM D-4048
EMCOR Test (3% synthetic sea water)		0,0	5,5	ASTM D-6138
SRV OK Load	50 Hz, 1.0 mm stroke, 75°C	1600 N	700 N	ASTM D-5705
4-Ball Wear	COF	0.08	0.10	ASTM D-2266
	Scar	0.51 mm	0.57 mm	
Low Temp Torque	Starting (-40°C)	594 g-cm	708 g-cm	ASTM D-2596
	10 min. (-40°C)	166 g-cm	431 g-cm	
	60 min. (-40°C)	139 g-cm	145 g-cm	

PACKAGING OPTIONS

Nye greases are available in a variety of packaging sizes for both high-volume production dispensing and small-volume dispensing.

-  1 kg jar
-  385 lb drum
-  35 lb pail
-  400 g cartridge

Please contact us at orders@nyelubricants.com for more information.



Since 1844: Our performance is reflected in the value we bring to our customers.

Nye Lubricants is a leader in the innovation, formulation and provision of synthetic lubricants, enabling and improving breakthrough products and critical new technologies. We bring proven experience, deep technical knowledge and customer focus to solve our customers' toughest challenges, adding tangible value to products in a wide range of industries and applications.

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