

LEAKAGE PROTECTION IN WASHING MACHINES

INDUSTRY:
Appliance

APPLICATION:
Top Load Washing
Machines

COMPONENT:
Gears

LOCATION:



BACKGROUND

Washing machines and other appliances that operate at high loads often require additional protection from friction to prevent wear. A leading appliance manufacturer came to Nye after they noticed that the lubricant used in their gear assembly was leaking into the interior of their top-loading washing machine. This manufacturer needed Nye to replace the existing competitor's lubricant with a water-resistant grease.

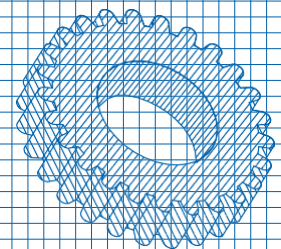
CHALLENGE

- Can the lubricant protect gears from wear without leaking into the drum?

SOLUTION INSTRUMENT GREASE 794A

A clay thickened, medium viscosity, ester blend grease.

- Great for high load applications
- Good water resistance
- Excellent wide temperature performance of -20 to 150°C



RESULTS

Instrument Grease 794A is now used in this customer's top-loading washing machine after successfully passing their validation tests.

Base Oil Properties	Conditions	Instrument Grease 794A	Test Method
Chemistry		PAO / Ester / Clay	
Temperature Range		-20 to 150°C	
Kinematic Viscosity	40°C	440 cSt	ASTM D-445
Viscosity Index		105	ASTM D-2270
Grease Properties			
NLGI Grade		2	ASTM D-217
Oil Separation	24 hrs, 100°C	0.59%	ASTM D-6184
Evaporation	24 hrs, 100°C	0.94%	NYE CTM

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.

Nye Lubricants, Inc.

12 Howland Road
 Fairhaven, MA 02719 USA
 Ph: +1.508.996.6721
 Email: contact@nyelubricants.com



NyeLubricants.com

Dulub Co., Ltd. www.dulub.com.tw tel : 886-7-536 5500

