

# LUBE MY2-7 SMEERVET

A lubricant that has the advantages of both oil and grease

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■ **developed to solve the following problems of grease:**

- Foul smell of deteriorated and decomposed coolant due to oil lubrication
- High oil consumption
- Imperfect lubrication due to grease adherence and insufficient coating of components
- A large amount of drained grease in lubricated sections

In order to solve the above problems, LHL-300 was developed as a lubricant suitable for the environment and conditions in which machine tool components are used.

■ **Features**

LHL has the advantages of both oil, such as excellent non-adherence, liquidity and intervention; and grease, such as excellent extreme pressure resistance, wear resistance, water resistance and retention.

**=Oil type integration**

◆Operating temperature limit/LHL300 -20°C~+130°C   ◆Operating temperature limit/LHL- X100 -20°C~+150°C

**Model**

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Model	Part Number	Capacity	Color of Grease
LHL300-4S	249113	400ml	yellow
LHL300-7	249112	700ml	
LHL-X100-2	249139	200ml	Brown
LHL-X100-4	249136	400ml	
LHL-X100-7	249137	700ml	

**LHL-X100 Performance Test Data**

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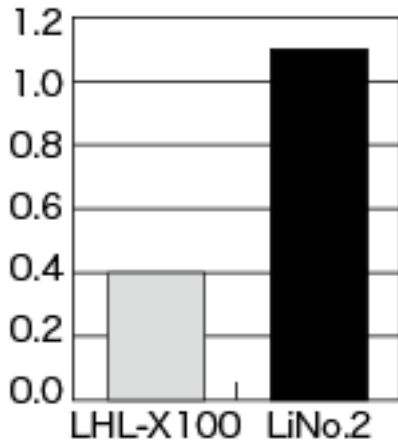
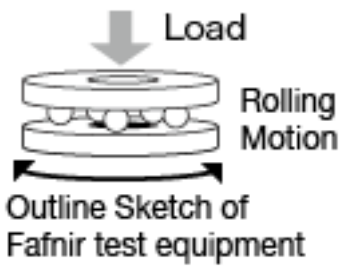
- Excellent load-carrying capacity and wear resistance
- The excellent load-carrying capacity and wear resistance prevent seizures and excessive wear.
- Excellent water resistance and corrosion resistance
- LHL is versatile to emulsification and softening even when water is introduced. In addition, its excellent corrosion resistance prevents the development of rust and pitting.
- Excellent migration property
- Developed as lubricants for centralized lubrication systems, LHL has excellent transport property and supplying LHL in the right amount at the right time guarantees ideal lubrication effects.

**Fretting Resistance Test Utilizing the ASTM F4170 Fafnir Test**

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**Testing Method** In conformity with ASTM D 4170 Fafnir Test

## Fafnir Test Results



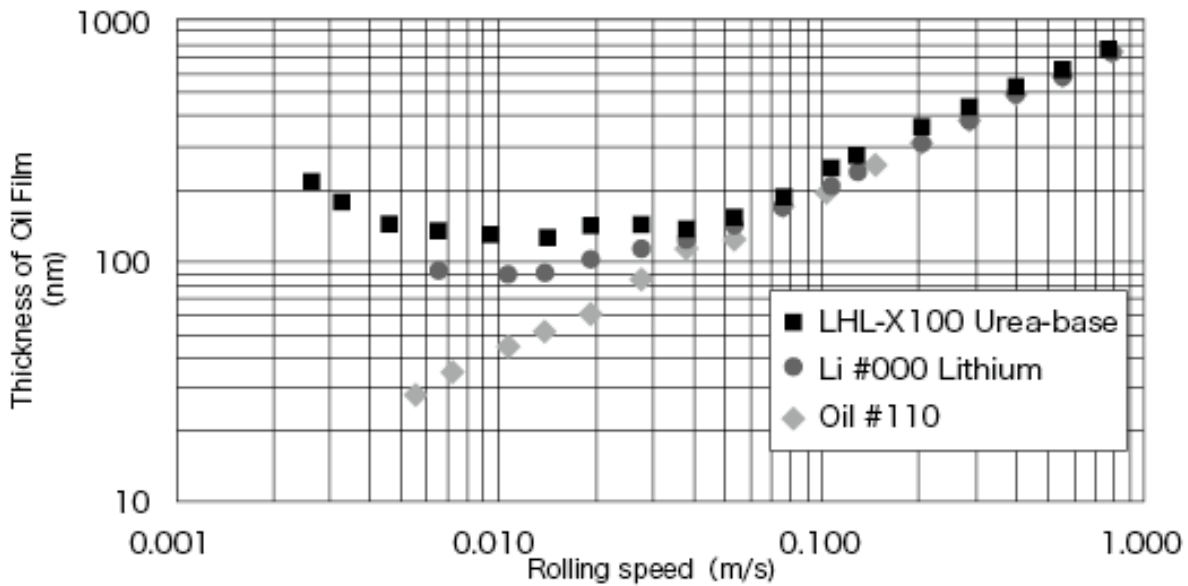
### [Testing Conditions]

Shaft :	ANDREWS W 5/8
Weight :	2450N (Ball 9pcs, Surface Pressure : 1.9GPa)
Rolling Angle :	12° (Rolling Width : Approx. 3.0mm)
Rolling Cycle :	3.4Hz (Approx. 200 cycles)
Time Duration :	10h
Temperature :	Room temperature
Warm-up Operation :	No
Amount of lubricant applied :	1.0 + 0.05g per bearing ? 0.2 + 0.01g

**[Evaluation Method]** Amount of abrasion : Measuring the decrease in the mass of each race

Thickness of Oil Film (LHL-X 100 • Lithium-based Grease • Oil)

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**LHL-X 100 Special Urea Grease provides thicker oil films in slow rolling speed range.**

Having tested the performance of lubricants by focusing on thickness of oil film provided by each lubricant, we found that the oil films become thinnest when rolling speeds become 0m/s ( or all most 0m/s). Both greases provide thicker oil films than oil. LHL-X 100, however, (a special urea grease)provides even thicker oil films than lithium grease. The test results prove that LHL-X 100 prevents oil film deficiencies more effectively and efficiently which eliminates stick slip.