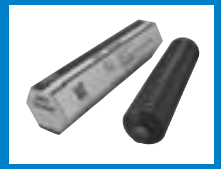


THK Original Grease

AFC Grease

- Base oil: high-grade synthetic oil
- Consistency enhancer: urea-based



AFC Grease has high fretting-corrosion resistance due to a special additive and a urea-based consistency enhancer using a high-grade synthetic oil as the base oil.

[Features]

- (1) High fretting-corrosion resistance
AFC Grease is designed to be highly effective in preventing fretting corrosion.
- (2) Long service life
Unlike ordinary soap based grease for metal lubrication, AFC Grease excels in antioxidant stability and therefore can be used for a long period of time. As a result, maintenance work is reduced.
- (3) Wide temperature range
Since a high-grade synthetic oil is used as the base oil, the lubricating performance remains high over a wide range of temperatures from -54 °C to +177 °C.

[Representative Physical Properties]

Item	Representative value	Test method
Consistency enhancer	Urea-based	
Base oil	high-grade synthetic oil	
Base oil kinematic viscosity: mm ² /s (40°C)	25	JIS K 2220 23
Worked penetration (25°C, 60W)	288	JIS K 2220 7
Mixing stability (100,000 W)	341	JIS K 2220 15
Dropping point °C	269	JIS K 2220 8
Evaporation amount: mass% (99°C, 22h)	0.2	JIS K 2220 10
Oil separation rate: mass% (100°C, 24h)	0.6	JIS K 2220 11
Copper plate corrosion (B method, 100°C, 24h)	Accepted	JIS K 2220 9
Low temperature torque: N·m (-20°C)	Start	JIS K 2220 18
	(revolutions)	
4-ball testing (burn-in load): N	3089	ASTM D2596
Service Temperature Range °C	-54 to 177	
Color	Brown	

[Test Data on Fretting-corrosion Resistance]

● Test Data on AFC Grease (Comparison of Raceway Conditions)

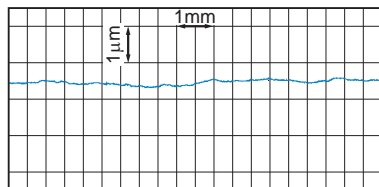
The test data in the figure shows the results of comparing this product with an ordinary bearing grease.

<Test conditions>

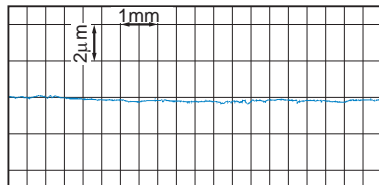
Item	Description
Stroke	3mm
Number of strokes per minute	200min ⁻¹
Total number of strokes	2.88 × 10 ⁵ (24 hours)
Surface pressure	1118MPa
Grease quantity	12g/1LM block (replenished every 8 hours)

AFC Grease

Before travel

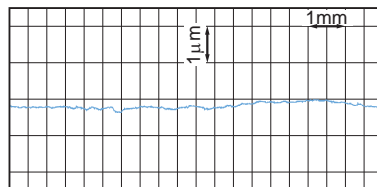


After travel



General-purpose bearing grease

Before travel



After travel

