SINOPEC

4129 Lubricant
for Oil Retaining Precision Bearing

SINOPEC 4129 lubricant for oil retaining precision bearing is blended with synthetic base oil and plural highly refined additives such as anti-oxidizer, anti-corrosion agent, lubricant and so on. It is grouped into SR-27, SR-28 and SR-29 according to the kinematic viscosity at 100℃, meeting the requirements of U.S. Army's MIL-L-53131.

Advantages
◎ Outstanding lubricity and anti-oxidation property
◎ Low evaporation loss and high flash point
◎ Good over-all property, ensuring a long service life

Performance Specification
The product meets the following specifications:
◎ Q/SH303 509—2007

Applications
◎ Suitable for lubricating oil-retaining precision bearings with high-precision and long service life, such as gyro motor, momentum wheel of inertial navigation system of aeroplane and aerospace craft or oil-retaining precision bearings used in other fields
◎ Applied temperature range: -45℃～150℃

Typical Properties

Items	4129 lubricant for oil retaining precision bearing		
	SR-27	SR-28	SR-29
Appearance	Transparent and clear liquid of light yellow		
Kinematic viscosity, mm^2/s 40℃ 100℃	29.68 5.73	59.5 9.48	160.6 14.72
Flash point (open), ℃	235	270	271
Viscosity index	135	136	140
Freezing point, ℃	-60	-57	-53
Evaporation loss (204℃, 6.5hrs), ％	4.0	2.6	2.8
Neutralization value, mgKOH/g	0.03	0.18	0.18

Similar Foreign Products
◎ Perform as the same with NYE179, NYE181 and NYE186 of NYE (US)

Special Attentions
◎ Cleaning of bearing and loading of this product shall be undertaken as regulated before use
◎ Do not mix with other lubricant resulting in performance reduction due to possible physical or chemical reactions between different oil
◎ Close the cap in time after each use, keeping moisture and dust away
◎ Material compatibility test should be carried out when used in lubricated part in contact with non-metallic material such as rubber, plastic and paint

Packing
◎ To be packed with 250ml plastic bottle or as required by customer