

4121 Instrument Oil with Low Viscosity

SINOPEC 4121 instrument oil with low viscosity is blended with synthetic oil and plural highly refined additives such as anti-oxidizer, anti-wear agent, anti-corrosion agent, anti-rust agent and so on. 4121 and 4116-1 are lubricants with lowest viscosity and smallest starting moment under low temp among the instrument oil products of our company.

Advantages

- ⊙ Outstanding lubricity and rust-proofing property, washing-free after being unsealed
- ⊙ Excellent oxidation stability with low evaporation loss

Performance Specification

The product meets the following specifications:

- ⊙ Q/SH303 161—2004

Applications

- ⊙ This washing free product is suitable for the lubrication and protection of high-speed bearing of precision instrument. It meets the requirements on lubrication and storage of micro bearing, gear and parts moving in small space of various instruments and weapons working under low temperature
- ⊙ Applied temperature range: -60℃ ~ 100℃

Typical Properties

Items	4121 instrument oil with low viscosity
Kinematic viscosity, mm ² /s	
50℃	4.198
-40℃	400.9
Freezing point, ℃	<-65
Neutralization value, mgKOH/g	0.42
Evaporation loss (100℃, 1hr), % (m/m)	6.1
Ability of rust inhibition (100hrs)	Qualified
Mechanical impurity, % (m/m)	None

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