

4109 Synthetic Aviation Lubricating Oil

SINOPEC 4109 synthetic aviation lubricating oil is type I 1/2 low viscosity synthetic aviation lubricating oil blended with synthetic base oil and plural highly refined additives such as anti-oxidizer, anti-corrosion agent, anti-wearing agent and so on. It meets requirements of MIL-L-7808H.

Advantages

- ⊙ Outstanding heat oxidation stability, preventing oil from damage in high temperature condition
- ⊙ Outstanding high/low temperature and viscosity-temperature properties, meeting requirements of all day long applicant
- ⊙ Outstanding heat stability, oxidation stability, reducing coking in operation
- ⊙ Outstanding rust-proof, ensuring a long service life of engine
- ⊙ Low oil evaporation and consumption

Performance Specification

The product meets the following specifications:

- ⊙ GJB 135A—1998 (type H)

Applications

- ⊙ Suitable for long-term lubrication of gas turbine engine of aeroplane, or ground power station and gas-steam combined cycle unit driven by turbine engine of aeroplane
- ⊙ Applied temperature range: -50℃ ~ 175℃

Typical Properties

Items	4109 synthetic aviation lubricating oil
Kinematic viscosity, mm ² /s	
100℃	3.765
-40℃	2842
Flash point (open), ℃	232
Freezing point, ℃	<-60
Neutralization value, mgKOH/g	0.2
Evaporation loss (205℃, 6.5hrs), % (m/m)	5.76

Application Examples

- ⊙ 4109 synthetic aviation lubricating oil has been used for turbojet of supersonic fighter for long time, and it is also suitable for main lubricating oil system of helicopter and starter of civil aeroplane

Special Attentions

- ⊙ Prevent moisture, dust, or other corrosive medium from entering into during storage and usage
- ⊙ Do not mix with other oils
- ⊙ Store at clean, cool and dry places
- ⊙ Material compatibility test should be carried out when used in lubricated part in contact with non-metallic material such as rubber, plastic and paint
- ⊙ It is normal and shall not affect application in case of darkened color after exposed to light or under long term high temperature

Packing

- ⊙ To be packed with 1L, 4L iron barrels or by customers