



TECHNICAL DATA SHEET

Base Oil

6cSt

Origin

ADNOC

Description

6cSt can be used in many industrial and automotive lubricant applications. These include gear oils, compressor oils, engine oils, hydraulic fluids, greases, and other functional fluids.

Advantages

6cSt products have good solubility characteristics for additives in product formulations

Quality Specification

| Tests 属性 | Unit 单位 | Method 测试方法 | Spec.Limit 指标 | Result 结果 |
|-------------------------------------------|--------------------|----------------|---------------------|----------------|
| Appearance 外观 | - | ASTM D 4176-1 | Report | Clear & Bright |
| Viscosity,Kinematic @ 100°C 100 度运动粘度 | mm ² /s | ASTM D 445 | Min 5.800 Max 6.200 | 5.847 |
| Viscosity,Kinematic @ 40°C 40 度运动粘度 | mm ² /s | ASTM D 445 | Report | 30.60 |
| Viscosity Index 粘度指 数 | - | ASTM D 2270 | Min 125 | 138 |
| Pour Point 倾点 | °C | ASTM D 5949 | Min -15 | -18 |
| Flash Point,(COC)闪点 (闭口闪点) | °C | ASTM D 92 | Min 220 | 250 |
| Evaporation Loss,Noack Method 蒸发损失 | %m/m | ASTM D 5800 | Max 8.0 | 6.5 |
| Apparent Viscosity by CCS at -30°C表面粘度 | mPas | ASTM D 5293 | Max 4500 | 3029 |
| Sulfur 硫含量 | mg/kg | ASTM D 2622 | Max 10 | <3.0 |
| Water 水含量 | mg/kg | ASTM D 6304 | Max 50 | 16.00 |
| Color,Saybolt 成色 | - | ASTM D 156 | Min +20 | +30 |
| Density @ 15°C密度 15 度 | g/ml | ASTM D 4052 | Report | 0.8353 |
| Copper Corrosion,3hrs at 100°C铜片腐蚀 | - | ASTM D 130 | Report | 1b |
| Acid Number 酸值 | mg KOH/g | ASTM D 664 | Report | <0.1 |
| Carbon Residue 残碳 | % (m/m) | ASTM D 4530 | Report | <0.1 |
| Saturates 饱和物 | mass% | ASTM D 7419 | Report | 99.8 |
| Aromatics 芳烃 | mass% | ASTM D 7419 | Report | <0.2 |

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