

LS 6446

High Base Calcium Sulfonate (400 TBN)

Description

LS6446 is a booster for engine oil, with long-chain alkyl benzene sulfonic acid as a main raw material, super over based synthetic calcium sulfonate is prepared by neutralization and super high alkalization reaction. The product has excellent alkaline storage property, good oil solubility and strong acid neutralization capability, and it can immediately neutralize organic acid and inorganic acid in oil; meanwhile it also has excellent high-temperature detergency and thermal stability. It's also a preferred additive for preparing over-based marine cylinder oil.

Typical Properties

Item	Typical Value	Test Method
Appearance	Red-brown viscous liquid	Visual Inspection
Flash Point(open cup), ${^{\circ}\! C}$	≥180	GB/T3536, ASTM D92
Kinematic Viscosity, ($100^\circ\!\!C$) mm2/s	≤130	GB/T265, ASTM D445
Density(20℃),kg/m3	1150-1250	GB/T2540, ASTM D4052
Total Base Number, mgKOH/g	≥400	SH/T0251, ASTM D2896
Ca Content, %(m/m)	≥15	ASTM D-4951
S Content, %(m/m)	≥1.2	ASTM D-4951
Water Content, %(m/m)	≤0.2	GB/T 260, ASTM D-95
Machinery Impurities, %	≤0.06	GB/T 511,Din51592

Storage and Handling

This product can be blended using conventional equipment for blending finished fluids. Follow precautions normally taken for handling lube oil stocks. Do not heat over the maximum loading/unloading temperature. Avoid contact with water which can cause product degradation. Avoid high temperature contact with air which darkens product. Avoid contact with moist air. Tanks should have adequate agitation to avoid excessive skin temperatures. Dry conditions are essential since water may promote decomposition of the additive. Min Load/Unload Temp: 55 °C (131 °F) Max Load/Unload Temp: 65 °C (149 °F) Shelf Life Recommendation: 24 months @ ambient temperature

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