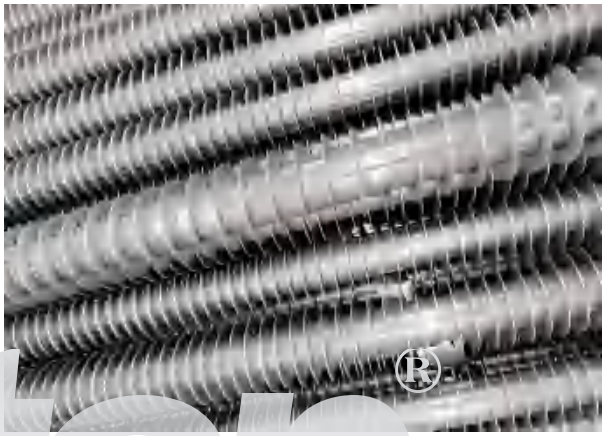
Aluminum fin stamping oil

Performance Overview

Maxtop Aluminum fin stamping oil (MTAFSO) is a lubricating oil specifically designed for the stamping process of aluminum fins. It is used for cooling and anti-corrosion. The product features outstanding boundary lubrication performance, rapid cooling capability, and excellent annealing cleaning properties. It can effectively solve problems such as die jamming, scratches, and cracking in the stamping of thin aluminum materials, while avoiding subsequent corrosion or coating defects caused by residual stamping oil. It is applicable to high-precision processing scenarios such as air conditioning fins and automotive radiator fins, significantly improving production efficiency and yield rate.



Application Scenario

Air conditioning and refrigeration equipment , automobile radiators , electronic heat sinks , aerospace , chemical industry , construction industry , power industry.

Features

01

High viscosity index: maintains appropriate viscosity at different temperatures to ensure lubrication effect.

02

Low volatility: reduce the evaporation loss of oil and increase the service life of oil.

03

Corrosion resistance: Prevent workpieces and molds from corrosion during processing.

04

Biological stability: resist the attack of microorganisms and reduce the corruption and deterioration of oil products.

05

Environmentally friendly formula: Many aluminum fin stamping oils adopt environmentally friendly formulas to reduce the impact on the environment.

06

No residue: easy to clean after stamping, no oil stains or influence on subsequent processing.

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Aluminum fin stamping oil performance indicators

Project	Quality indicators
Appearance	Transparent uniform liquid
Kinematic viscosity (40℃) (mm^2 /s)	2~3
Pour point/℃ not higher than	-30
Distillation Initial distillation point/℃ not less than Dry point/℃ not higher than	 210 230
Flash point (closed cup)/℃ not less than	60
Acid value (in KOH) (mg/g)No higher than	0.05
Annealing cleanliness	qualified
At a temperature of 15℃~35℃, use a 100ml measuring cylinder to measure 100ml of the liquid concentrate to be tested, let it stand for 24 hours and observe	

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