

Supplier - SMART OIL

Smart DTO*Distilled Tall Oil**Boundary Lubricating Additives*Typical Properties

Appearance	Light Amber Liquid
Specific Gravity@25°C	0.900 - 1.000
Viscosity@40°C, cSt	50 - 70
Acid Value, mgKOH/g	190 - 260
Flash Point C.O.C., °C	> 200
Drop Point, °C	2
Water Content, %wt	< 0.1
Ash Content, %wt	< 0.01
Colophonic Acid Content, %wt	28 - 32
Unsaponifiable Content, %wt	4.5
Total Fatty Acid Content, %wt	66
Non-Volatile Material Content@230°C, %wt	0.4

Product Description

SMART DTO has high rosin content, approximately 30%.

SMART DTO is an excellent lubricant and co-emulsifier, suitable for blending soluble oils and semi-synthetic fluids.

SMART DTO can provide good lubricating property and improve surface finishing of the workpieces.

SMART DTO also can be used to fine tune the pH value of water-based systems to achieve better equilibrium.

Applications

General Application

Suggested Treat Rates, %wt

1 - 30

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