



Daphne Mechanic Oil Series

Description

A multi-purpose oil formulated with highly refined paraffinic base oil incorporating various additives such as oxidation inhibitor, rust prevention additive, anti-foaming and oiliness agents to provide excellent performance.

Application

Recommended for use as a multi-purpose lubricant for various machine tools especially in high temperature environment. It is most efficient as a lubricating oil for, bearings , gears and hydraulic systems where load carrying ability, heat resistant, oxidation and demulsibility properties are required.

Characteristics

1. **Excellent Oxidation Stability** - A combination of oxidation inhibitor and highly refined paraffinic base oil assures excellent oxidation stability under severe operating condition and assures longer oil life
2. **Excellent Heat Resistance Properties** - Addition of special heat resistance additive gives this oil excellent high temperature oxidation stability
3. **Excellent Demulsibility** - Extremely quick separation with water prevents it from emulsifying with water makes it most suitable for preventing hydraulic and slideways from troubles caused by mixing water soluble cutting fluid and machine lubricants
4. **Superior Anti-Corrosion & Anti-Rust Properties** - Effective rust preventive agent and corrosion inhibitor prevent corrosion caused by water and acid produced through deterioration process

Packing

20L pail, 200L drum

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Lubricant Product Information**Typical Specifications****Daphne Mechanic Oil Series**

Available Grades	<u>5</u>	<u>10</u>	<u>15</u>	<u>32</u>	<u>46</u>	<u>68</u>	<u>100</u>
Colour	L0.5	L0.5	L0.5	L0.5	L0.5	L0.5	L3.5
Density 15 °C g/cm ³	0.8652	0.8586	0.8566	0.8579	0.8636	0.8706	0.8863
Flash Point (COC) °C	154	182	206	228	238	247	264
Viscosity, cSt @ 40 °C	5.195	10.44	14.98	30.94	43.16	65.46	100.0
@ 100 °C	-	2.702	3.407	5.465	6.695	8.605	11.05
Viscosity Index	-	94	100	113	108	102	96
TAN (mgKOH/g)	-	-	-	0.09	0.08	0.08	0.70
Copper Corrosion (100°C x 3h)	1(1a)	1(1a)	1(1a)	-	-	-	1(1a)
Foaming Tendency @ 24°C (ml)	0-0	0-0	0-0	<20-0	<20-0	<10-0	<10-0
Available Grades	<u>120</u>	<u>150</u>	<u>220</u>	<u>320</u>	<u>460</u>		
Colour	L3.5	L2.5	L3.5	L3.5	L3.0		
Density 15 °C g/cm ³	0.8887	0.8911	0.8955	0.8995	0.9035		
Flash Point (COC) °C	274	278	290	306	322		
Viscosity, cSt @ 40 °C	120.6	155.5	225.4	321.0	441.2		
@ 100 °C	12.63	15.26	19.20	24.20	29.64		
Viscosity Index	96	99	96	96	95		
TAN (mgKOH/g)	0.70	0.70	0.69	0.71	0.74		
Copper Corrosion (100°C x 3h)	-	1(1a)	1(1a)	1(1a)	-		
Foaming Tendency @ 24°C (ml)	<10-0	<10-0	<10-0	10-0	<10-0		

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