



DAPHNE SUPER TURBINE OIL 56/68

1. Application

Daphne Super Turbine Oils are recommended for use in Turbo systems such as large steam turbine, water turbine, high-speed turbo compressor, and turbo compressor for chlorine gas.

2. Essentials

Daphne Super Turbine Oils are epoch-making and super long life oils with highly hydro-treated paraffinic base oils and various eligible additives such as oxidation inhibitor, rust preventives, antifoaming agent, oiliness improver.

3. Characteristics

- (1) Exceptional oxidation stability assures super long service life, especially for large steam turbine.
- (2) Highly refined base oil with eligible additives formulation also has the anti-chlorine gas and chlorine acid properties.
- (3) Low sulfur content and good thermal stability protect against discoloration of white-metal.
- (4) Caused by good lubricity, it reduces the shaft and bearing wear and prevent gear surface wear trouble.

4. Viscosity Grade and Corresponding to JIS Specification

Grade	ISO VG	JIS Specification
56	(56)	—
68	68	K2213 Turbine Oils Type 2 ISO VG68

5. Typical Characteristics

Item	Unit	56	68
Kinetic Viscosity			
@40°C (104°F)	mm ² /s	57.46	70.21
@100°C (212°F)	mm ² /s	8.024	9.158
Viscosity Index	—	106	106
Color (ASTM)	—	L0.5	L0.5
Pour Point	°C	-17.5	-12.5
Density @15°C (59°F)	g/cm ³	0.8687	0.8702
Flash Point			
— Cleveland Open Cup	°C	248	248
Acid Number	mgKOH/g	0.06	0.06
Foaming			
— Sequence I 24°C (75.2°F)	ml	10-0	0-0
— Sequence II 93.5°C (200.3°F)	ml	10-0	10-0
— Sequence III 24°C (75.2°F)	ml	10-0	0-0
RPVOT	min	328	339
Copper corrosion @100°C (212°F) × 3h	—	1(1b)	1(1b)

- Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provide in the Safety Data Sheet (SDS) are followed.
- 「SDS is available upon request through your sales contract office, or via the internet.
<https://www.idss.co.jp/business/lube/>
- Due to continual product research and development, the information contained herein is subject to change without notification.

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