

# DAPHNE

## TURBINE OIL 32,46

### Description

Daphne Turbine Oil is recommended for use in Turbo systems such as Steam turbine, and Turbo Compressor. Daphne turbine Oil contains phenol-type oxidation inhibitor.

### Features & Characteristics

Daphne Turbine Oil is epoch-making and long life oils with highly hydro treated paraffinic base oils and various eligible additives such as oxidation inhibitor, rust preventives, antifoaming agent.

- (1) Exceptional oxidation stability assures long service life.
- (2) Low sulfur content and good thermal stability protect against discoloration of white-metal.
- (3) Caused by good lubricity, it's reduces the shaft and bearing wear trouble.

### Chemical and Physical Properties

Test Item	Test Method	Unit	VG32 Result	VG46 Result
Density at 15°C	ASTM D4052	g/cm <sup>3</sup>	0.863	0.866
Color(ASTM)	ASTM D1500	-	L0.5	L0.5
Flash Point (C.O.C)	ASTM D93	°C	220	244
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	31.0	45.8
Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	5.3	6.9
Viscosity Index	ASTM D2270	-	104	107
Acid Number	ASTM D974	mgKOH/g	0.06	0.07
Copper Corrosion 100°CX3h	ASTM D130	-	1(1b)	1(1b)
Pour Point	ASTM D97	°C	-20.0	-25.0
Foaming Sequence I 24°C	ASTM D892	ml	0-0	0-0
Sequence II 93.5° C	ASTM D892	ml	0-0	0-0
Sequence III 24° C	ASTM D892	ml	0-0	0-0
RPVOT @150°C	ASTM D2272	min	309	302

### Viscosity Grade and Corresponding to JIS Specification

Grade	ISO VG	JIS Specification
32	32	K2213 Turbine Oils Type 2 ISO VG32
46	46	K2213 Turbine Oils Type 2 ISO VG46

Grade	32	46
Approved Specification	MS04-MA-CL001	○

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

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# DAPHNE

## TURBINE OIL 56,68,100

### Description

Daphne Turbine Oil is recommended for use in Turbo systems such as Steam turbine, and Turbo Compressor. Daphne turbine Oil contains phenol-type oxidation inhibitor.

### Features & Characteristics

Daphne Turbine Oil is epoch-making and long life oils with highly hydro treated paraffinic base oils and various eligible additives such as oxidation inhibitor, rust preventives, antifoaming agent.

- (1) Exceptional oxidation stability assures long service life.
- (2) Low sulfur content and good thermal stability protect against discoloration of white-metal.
- (3) Caused by good lubricity, it's reduces the shaft and bearing wear trouble.

### Chemical and Physical Properties

Test Item	Test Method	Unit	VG56 Result	VG68 Result	V100 Result
Density at 15°C	ASTM D4052	g/cm <sup>3</sup>	0.867	0.869	0.872
Color(ASTM)	ASTM D1500	-	L0.5	L0.5	L1.0
Flash Point (C.O.C)	ASTM D93	°C	248	252	276
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	54.5	69.1	98.6
Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	7.8	9.1	11.7
Viscosity Index	ASTM D2270	-	107	107	107
Acid Number	ASTM D974	mgKOH/g	0.06	0.04	0.09
Copper Corrosion 100°CX3h	ASTM D130	-	1(1b)	1(1b)	1(1a)
Pour Point	ASTM D97	°C	-27.5	-20.9	-12.5
Foaming Sequence I 24°C	ASTM D892	ml	0-0	0-0	10-0
Sequence II 93.5° C	ASTM D892	ml	0-0	0-0	-
Sequence III 24° C	ASTM D892	ml	0-0	0-0	-
RPVOT @150°C	ASTM D2272	min	323	303	-

### Viscosity Grade and Corresponding to JIS Specification

Grade	ISO VG	JIS Specification
56	(56)	-
68	68	K2213 Turbine Oils Type 2 ISO VG68
100	100	K2239 Bearing Oils ISO VG100

- 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.
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