



Idemitsu Apollo (Thailand) Co., Ltd.

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DAPHNE SUPER TURBINE OIL MG32

Heat-resistant & Long life Turbine Oil

1. Application

Daphne Super Turbine Oil MG32 was developed to meet MHI standard (MSO4-CL005) for use in gas turbine unit.

2. Quality

Daphne Super Turbine Oil MG32 are epoch-making and super long life oils with highly hydro-treated paraffinic base oil and various eligible additives such as non-volatile oxidation inhibitor, anti-corrosion, antifoaming agent.

3. Characteristics

1. Exceptional oxidation stability assures super long service life, especially for large steam turbine power generator.
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 Grades and Corresponding to JIS Specification

ISO Grade	:	32
JIS Specification	:	K 2213 Turbine Oil ISO VG 32 Type 2

5. Typical Specification

				<u>ASTM Method</u>
Specific Gravity	15 °C	g/cm ³	0.8519	D-1298
Color	ASTM		L 0.5	D-156
Reaction			Neutral	-
Flash Point	C.O.C.	°C	236	D-92
	C.O.C.	°F	457	D-92
Viscosity	@ 40 °C	cSt	32.00	D-445
	@ 100 °C	cSt	5.68	D-445
Viscosity Index			123	D-2270
Pour Point	°C		-15.0	D-97
Acid Number		mgKOH/g	0.10	D-974
Copper Corrosion	100 °C x 3 Hrs.		1(1B)	D-130
Rotary Bomb Oxidation Test	@ 150 °C	mins	1783	D-2272

- 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 E-Mail : order@apollothai.com
- Due to continual product research and development, the information contained herein is subject to change without notification.