# **DAPHNE** SUPER TURBINE OIL MG Series



Lubricants

## Description

Features & Characteristics

These are epoch-making turbine oil series, containing highly hydro-modified paraffinic base oils, nonvolatile antioxidants, rust inhibitors, and antifoaming agents.

- (1) These are long-life oil with excellent oxidative stability even when used at high temperatures such as gas turbines.
- (2) The content of sulfur is extremely low and the oxidation stability is excellent, thereby preventing discoloration of white metal.
- (3) Excellent lubricity suppresses wear on lubrication points such as bearings.
- (4) These are high-performance oil that generates very little sludge and bu

Approval					
	Maker	Specification*	Approval**	Grade	Super Turbine Oil MG 32,46
	GE	GEK 32568J	-	GT model 7/9	0
	GE	GEK 107395A	-	GTCC	Δ
	GE	GEK 101941A	-	FZG8<	×
	GE	GEK 27070	-	ST	0
	GE	GEK 46506D	-	ST	0
	GE	GEK 28143A	-	GT model 6B	0
	ALSTOM	-	HTGD 90117	ST/GT	$\bigtriangleup$
	SIEMENS	-	TLV 9013 04	ST/GT	0
	SIEMENS	-	TLV 9013 05	GT	0
	SIEMENS	MAT812101	-	-	0
	SIEMENS	MAT812102	-	-	0
	SIEMENS	MAT812106	-	FZG8<	×
	SIEMENS	MAT812107	-	FZG8<	×
	SIEMENS	MAT812108	-	FZG8<	×
	SIEMENS	MAT812109	-	FZG8<	×
	MHI***	-	MS04-MA- CL001	ST	×
	MHI***	-	MS04-MA- CL002	GT	0
	MHI***	-	MS04-MA- CL003	FZG8<	×
	MHI***	-	MS04-MA- CL005	GT	0
	MHI****	-	GTSI-00-004	GT H-25	0
	MHI****	-	0	ST	0



Maker	Specification*	Approval**	Grade	Super Turbine Oil MG 32,46
SOLAR	ES 9-224		ST/GT	0
TOSHIBA	0	-	ST	0
TOSHIBA	GEK 32568J +α	-	GT(GE turbine)	0
Fuji Electric	-	0	ST	0
Kawasaki	-	0	ST	0
Kawasaki	-	0	GT(PUC60,70)	0
Kawasaki	-	0	GT(M1A-13)	×
Kawasaki	-	0	GT(emergency)	×
IHI	-	0	GT	$\bigtriangleup$

\*Specification : Customer checks only spec in or not.

Anything can use if your oil's spec is in range.

\*\*Approval : Customer checks oil's name and spec, and they insert the product to their oil list.

- : Have approval or fitting to specification 0
- : Negotiating or lack of partial data (negotiable)  $\Delta$

× : Not covered \*\*\*Formerly MHIP, \*\*\*\*Formerly HITACHI

Chemical and Physical Properties	Test Item	Test Method	Unit	VG32 Result	VG46 Result
	Density at 15°C	ASTM D4052	g/cm <sup>3</sup>	0.850	0.867
	Color(ASTM)	ASTM D1500	-	L0.5	L0.5
	Flash Point (C.O.C)	ASTM D93	°C	236	220
	Viscosity at 40°C	ASTM D445	mm²/s	31.9	46.0
	Viscosity at 100°C	ASTM D445	mm²/s	5.7	6.9
	Viscosity Index	ASTM D2270	-	121	104
	Acid Number	ASTM D974	mgKOH/g	0.1	0.1
	Copper Corrosion 100°CX3h	ASTM D130	-	1(1b)	1(1b)
	Pour Point	ASTM D97	°C	-20.0	-17.5
	Foaming Sequence I 24°C	ASTM D892	ml	0-0	0-0
	RPVOT @150°C	ASTM D2272	min	1862	1866
	Water separability @54°C to 3m emulsion	ASTM D1401	min	5	5



### Cautions

The Oil may turn reddish color due to storage environment, e.g., exposure to ultraviolet light. Please be assured that the color change does not affect the performance of the product.

• 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

#### Malaysia Idemitsu Lube (Malaysia) Sdn. Bhd.

#### Kuala Lumpur Branch

Tel: (60) 3 6157 9529 Fax: +60 3 6157 9636 Johor Branch Tel: (60) 7 550 0460 Fax: +60 7 550 0466 Penang Branch Tel: (60) 4 501 2268 Fax: +60 4 501 2269

#### Singapore Branch

Tel: (65) 6256 6843 Fax: +65 6256 6384

Thailand Apollo (Thailand) Co., Ltd Tel: (66) 3 845 6900 Fax: (66) 3 821 0099

#### Vietnam

Idemitsu Lube Vietnam Co., Ltd. Tel: (84) 31 3246 508 Fax: (84) 31 3246 509

#### India

Idemitsu Lube India Pvt. Ltd. Tel: (91) 11 66794200 Fax: (91) 11 66794259 Indonesia

PT. Idemitsu Lube Techno Indonesia PT. Idemitsu Lube Indonesia Tel:(62) 21 8997 7630

Philippines Idemitsu Lubricants Philippines Inc. Tel: (63) 2 8 282 855 Fax: (63) 2 8 524 0617