



บริษัท น้ำมันอพลโล (ไทย) จำกัด
APOLLO (THAILAND) CO., LTD.



DAPHNE SUPER TURBINE OIL 46

High Performance Turbine Oil

1. Application

Daphne Super Turbine Oil are recommended for use in turbo systems such as large steam turbine, high speed turbo compressor, turbo compressor for chlorine gas and nuclear power generator.

2. General

Daphne Super Turbine Oil are epoch-making and super long life oils with highly hydro-treated paraffinic base oil 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 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 : 46
JIS Specification : K 2213 Turbine Oil ISO VG 46 Type 2

- 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.

นิคมอุตสาหกรรมอมตะซิตี้ ชลบุรี 700/623 หมู่ที่ 4 ต.บ้านเก่า อ.พานทอง จ. ชลบุรี 20160 โทร. 0-3845-6900 แฟกซ์ 0-3821-0055

Amatanacity Chonburi Industrial Estate 700/623 Moo 4,Bankao, Panthong, Chonburi 20160 Tel : 038-456-900 Fax : 038-210-055 www.apollothai.com

5. Typical Specification

				<u>ASTM</u>
Density	15°C	g/cm ³	0.8660	D-1298
Color	ASTM		L 0.5	D-156
Reaction			Neutral	-
Flash Point	C.O.C.	°C	220	D-92
Viscosity	@ 40 °C	mm ² /s	46.00	D-445
	@ 100 °C	mm ² /s	6.970	D-445
Viscosity Index			108	D-2270
Pour Point	°C		-17.5	D-97
Total Acid Number		mgKOH/g	0.09	D-974
Carbon Residue		wt%	0.01 bel	D-189
Copper Corrosion	100 °C x 3 Hrs.		1	D-130
Sulfur Content		wt%	0.01 bel	D-129
Interfacial Tension		dyne/cm	19.5	D-971
Emulsion Characteristics	@ 54 °C		40-40-0 (5)	D-1401
Rotary Bomb Oxidation Test	@ 150 °C	min	310	D-2272
FZG Gear Test (Limit Stage)			7	-

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