



Idemitsu Apollo (Thailand) Co., Ltd.

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DAPHNE NEW SUPER ACE VAC 46

1. Application

Daphne New Super ACE VAC 46 is oil for rotary type vacuum pump.

2. General

Daphne New Super ACE VAC is mineral oil in narrow boiling point extent, with highly hydro-treated paraffinic base oils adding special oxidation inhibitor.

3. Characteristics

1. Special refined mineral oil with rigid boiling point extent enable to get superior high-vacuum.
2. Superior oxidation resistance under high temperature, might be able to extend the oil life, consequently maintain to keep high constant vacuum.
3. Superior water separation property and demusibility.
4. Attribute to have excellent stability under various gases, using highly refined stabilized base oil.

4. Viscosity and Standard Products

ISO Grades : 46

Standard Products : 120 Machine Oil

Note: This cannot be applied for use in reciprocating vacuum pump.

5. Typical Specifications

				ASTM Method
Specific Gravity	15/4 °C		0.8691	D-1298
Color	ASTM		L 0.5	D-1500
Flash Point	C.O.C.	°C	276	D-92
		°F	529	D-92
Viscosity	@ 40 °C	cSt	46.32	D-445
	@ 100 °C	cSt	7.91	D-445
Viscosity Index			142	D-2270
Pour Point		°C	-35.0	D-97
		°F	-31	D-97
Total Acid No.		mgKOH/g	0.01	D-974
Carbon Residue		wt%	0.01	D-189
Copper Corrosion	100 °C x 3 Hrs.		1 (1B)	D-130
Sulfur Content		wt%	0.15	D-129
Emulsion Characteristics			41-39-0 (5)	D-1401
Rotary Bomb Oxidation Test	@ 150 °C	min	252	D-2272
Vapor Pressure	@ 60 °C	mmHg	1 x 10⁻⁵ bel	-
Coefficient of Friction (Soda Method)		μ	0.16	-

- 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.