Idemitsu Apollo (Thailand) Co., Ltd.
บริษัท อิเดมิตสึ อพอลโล (ประเทศไทย) จำกัด
Chonburi office : 700/623 Moo 4, Amata City Chonburi Industrial Estate, Bankao, Panthong, Chonburi 20160, Thailand Tel: +66 38 456 900
สำนักงานชลบุรี : 700/623 หมู่ 4 นิคมอุตสาหกรรมอมตะซิตี้ชลบุรี ต.บ้านเก่า อ.พานทอง จ.ชลบุรี 20160 โทร +66 38 456 900
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DAPHNE SUPER MULTI OIL Series

High Performance Multi Oil

1. Application

Daphne Super Multi Oil is a multi-purpose and highly efficient lubricating oil for bearing, gears, hydraulic systems and slide ways.

2. General

A high quality paraffinic mineral oil refined by most advanced hydro-treating process and containing various additives to provide the excellent performance.

3. Characteristics

1. High oxidation resistance assures longer oil life.
2. Good for slide ways required anti-stick-slip properties.
3. Prevent hydraulic and lubrication systems from trouble caused by mixing water base cutting fluid or oil type cutting fluid.
4. Excellent preventive properties from rust, corrosion of ferrous metal and discoloration of nonferrous metal.

4. Viscosity Grades

Grade	ISO Grade	Grade	ISO Grade
2	2	46	46
5	5	68	68
10	10	100	100
22	22	150	150
32	32	220	220

- 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 charge without notification.

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5. Typical Specification

			2	5	10	22	32	46	68	100	150	220	ASTM
Specific Gravity	15/4	°C	**0.79**	**0.87**	**0.87**	**0.86**	**0.86**	**0.86**	**0.87**	**0.88**	**0.89**	**0.89**	**D1298**
Color	ASTM		**L0.5**	**L0.5**	**L2.5**	**L2.0**	**L2.0**	**L2.0**	**L2.5**	**L2.5**	**L3.0**	**L3.0**	**D1500**
Flash Point	C.O.C.	°C	**84**	**144**	**164**	**188**	**218**	**230**	**234**	**234**	**232**	**245**	**D92**
Viscosity	@ 40°C	cSt	**2.0**	**5.0**	**10.9**	**22.5**	**32.5**	**46.4**	**68.7**	**99.5**	**152.5**	**217.2**	**D445**
	@ 100°C	cSt	**1.00**	**1.60**	**2.78**	**4.60**	**5.75**	**7.12**	**9.08**	**11.55**	**15.23**	**19.25**	**D445**
Viscosity Index					**97**	**121**	**119**	**112**	**107**	**103**	**100**	**100**	**D2270**
Pour Point		°C	**-40**	**-30**	**-60**	**-48**	**-34**	**-40**	**-22**	**-10**	**-10**	**-7**	**D97**
ACID NUMBER		mgKOH/g	**0.07**	**0.07**	**0.20**	**0.28**	**0.09**	**0.08**	**0.16**	**0.14**	**0.14**	**0.28**	**D974**
Copper	100°Cx3 Hrs.		**1(1a)**	**1(1a)**	**1(1b)**	**1(1b)**	**1(1b)**	**1(1b)**	**1(1b)**	**1(1b)**	**1(1b)**	**1(1a)**	**D130**

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