



Idemitsu Apollo (Thailand) Co., Ltd.

บริษัท อี데미ตสึ 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

Rayong office : 7/467 Moo 6, Amata City Rayong Industrial Estate, Mabyangporn, Pluakdaeng, Rayong 21140, Thailand Tel: +66 38 018 333

สำนักงานระยอง : 7/467 หมู่ 6 นิคมอุตสาหกรรมอมตะซิตี้ระยอง ต.มาบยางพร อ.ปลวกแดง จ.ระยอง 21140 โทร +66 38 018 333

DAPHNE ALPHA GEAR OIL SERIES

High Performance Synthetic Gear Oil

1. Description

The premium quality gear oil formulated with synthetic base oil incorporating various additives such as special extreme pressure additives, oxidation inhibitor, rust prevention additive, anti-foaming and oiliness agents to provide excellent performance.

2. Application

Recommended for use as a lubricating oil for all kinds of reduction gear.

3. Characteristics

1. High viscosity Index and extremely low pour point.
2. Excellent oxidation stability - A combination of oxidation inhibitor and synthetic base oil assures excellent oxidation stability under severe/ high temperature operating condition and assures longer oil life.
3. Excellent anti-pitting, anti-wear & anti-seizure properties - Addition of special oiliness and extreme pressure agents give this oil excellent anti-pitting, anti-wear & anti-seizure properties which help to extend gear service life.
4. Excellent demulsibility - Extremely quick separation with water prevents formation of sludge and rust.
5. Excellent anti-corrosion & anti-rust properties - Effective rust preventive agent and corrosion inhibitor prevent corrosion caused by water and acid produced through deterioration process.
6. None corrosive to sealing Materials.
7. Clear/ transparent.

4. Typical specifications

			<u>68</u>	<u>100</u>	<u>150</u>	<u>220</u>	<u>320</u>	<u>ASTM Method</u>
Color	ASTM		L0.5	L0.5	L0.5	L0.5	L0.5	D-1500
Density	@15 °C	g/cm ³	0.8426	0.8439	0.8454	0.8471	0.8609	D-1298
Viscosity	@ 40 °C	mm ² /s	66.27	95.87	149.80	216.3	310.0	D-445
	@ 100 °C	mm ² /s	10.52	13.80	19.38	26.65	33.73	D-445
Viscosity Index			147	146	148	157	152	D-2270
Flash point	C.O.C	°C	252	254	258	290	302	D-92
Pour point		°C	-50>	-50>	-50>	-47.5	-42.5	D-97
Acid Number		mgKOH/g	0.39	0.40	0.41	0.44	0.45	D-974
Copper Corrosion	100 °C x 3 Hrs.		1(1b)	1(1b)	1(1b)	1(1b)	1(1b)	D-130

- 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.