



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



# DAPHNE SUPER HYDRAULIC FLUID SERIES

~ Anti-wear Hydraulic Oil, Base Oil Group II. ~

## 1. Application

Daphne Super Hydraulic Fluid is a high performance hydraulic oil with base oil group II technology for various hydraulic equipment, and especially for those with high pressure or high speed hydraulic pump.

## 2. Quality

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

## 3. Characteristics

1. Excellent anti-wear properties will help to extend the pump service life and assure trouble-free.
2. High oxidation resistance assures longer oil life.
3. Excellent fluid lubrication between cylinder and packing prevents stick-slip of cylinder and control noise.
4. Separates quickly from water.
5. Good rust preventive property.
6. Excellent anti-foam performance.

## 4. Typical Specification

			<b>32</b>	<b>46</b>	<b>68</b>	<b>ASTM Method</b>
<b>Specific Gravity</b>	15°C	g/cm <sup>3</sup>	<b>0.8570</b>	<b>0.8646</b>	<b>0.8718</b>	D-1298
<b>Color</b>	ASTM		<b>L 0.5</b>	<b>L 0.5</b>	<b>L 0.5</b>	D-1500
<b>Flash Point</b>	C.O.C.	°C	<b>230</b>	<b>232</b>	<b>246</b>	D-92
	C.O.C.	°F	<b>446</b>	<b>449</b>	<b>475</b>	D-92
<b>Viscosity</b>	@ 40 °C	cSt	<b>32.01</b>	<b>46.08</b>	<b>67.68</b>	D-445
	@ 100 °C	cSt	<b>5.663</b>	<b>7.031</b>	<b>8.828</b>	D-445
<b>Viscosity Index</b>			<b>117</b>	<b>110</b>	<b>103</b>	D-2270
<b>Pour Point</b>		°C	<b>-48.0</b>	<b>-45.0</b>	<b>-39.0</b>	D-97
		°F	<b>-54.4</b>	<b>-49.0</b>	<b>-38.2</b>	D-97
<b>Acid Number</b>		mgKOH/g	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	D-974
<b>Copper</b>	100 °C x 3 Hrs.		<b>1 (1b)</b>	<b>1 (1b)</b>	<b>1 (1b)</b>	D-130
<b>Foaming</b>	@ 24 °C	ml.	<b>10-0</b>	<b>10-0</b>	<b>10-0</b>	D-892

- 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](mailto:order@apollothai.com)
- Due to continual product research and development, the information contained herein is subject to change without notification.

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