



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



# DAPHNE MASTER DRAW SERIES

High Performance Press Oil

## 1. Application

This lubricant is one of our newest products employing the latest technology in chemical additives to improve lubricity and bright annealing properties. Suggest for I.D. use on finish draws on high speed bull blocks and benches. Primarily used on fine copper tubing, but it can also be used on aluminum and copper alloys.

## 2. Typical Specification

			<u>560</u>	<u>530LS</u>	<u>565NR</u>	<u>550NR</u>	<u>ASTM</u>
<b>Specific Gravity</b>	15/4 °C		<b>0.875</b>	<b>0.8710</b>	<b>0.8754</b>	<b>0.8754</b>	<b>D-1298</b>
<b>Flash Point</b>	C.O.C.	°C	<b>188</b>	<b>178</b>	<b>204</b>	<b>204</b>	<b>D-92</b>
	C.O.C.	°F	<b>370</b>				
<b>Viscosity</b>	@ 40 °C	cSt	<b>117.4</b>	<b>279.0</b>	<b>486.3</b>	<b>486.3</b>	<b>D-445</b>
	@ 100 °C	cSt	<b>23.33</b>	<b>23.0</b>	<b>33.74</b>	<b>33.74</b>	
<b>Carbon Residue</b>		wt%	<b>0.01</b>	<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>	<b>D-189</b>
			<b>&gt;</b>				
<b>Copper Corrosion</b>	100 °C x 3 Hrs.		<b>1 (1a)</b>	<b>1(1b)</b>	<b>N.A.</b>	<b>1(1a)</b>	<b>D-130</b>
<b>Coefficient of Friction</b>	@ R.T.	μ	<b>0.128</b>	<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>	<b>-</b>
<b>Four Ball Test</b>	200 r.p.m.	kgf/cm <sup>2</sup>	<b>6.0</b>	<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>	<b>D-2783</b>

- 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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