

## DAPHNE SUPER MULTI OIL ST

### 1. Application

This is general-purpose machine tool oil which can be used as hydraulic oil, gear oil, bearing oil and sliding surface oil in machining center, lathe-type machine and other machining machine.

### 2. Quality

It is blended with a high quality mineral oil which refined by the Lube hydrocracking process and various additives such as antiwear agent and antioxidant.

### 3. Characteristics

DAPHNE SUPER MULTI OIL ST has high VI and all the required characteristics as a general-purpose machine tool oil.

- Excellent anti-wear performance will extend bearing life.
- Prevent sludge formulation caused by oxidation.
- Excellent anti-rust and anti-foaming performance.
- Minimize the viscosity change caused by the temperature change.
- Reduce the amount of CO<sub>2</sub> and the consumption of electric power.

### 4. Typical Specifications:

Items	32	46	68	220	Method ASTM
ISO VG	32	46	68	220	-
Color	L0.5	L0.5	L0.5	L2.5	D-1500
Density	0.8473	0.8569	0.8649	0.8851	D-1298
Flash Point °C	220	216	230	270	D-92
Viscosity @ 40°C mm <sup>2</sup> /s	30.91	45.80	65.95	218.2	D-445
Acid Number mg KOH/g	0.72	0.76	0.81	0.93	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 via the internet.  
<https://www.idemitsu.com/jp/business/lube/>
- Due to continual product research and development, the information contained here in is subject to change without notification.

**Idemitsu Kosan Co.,Ltd.**  
**Lubricants Department II**