



## DAPHNE SUPERSCREW

~Mineral Based Lubricants for Long-life Screw Compressor Oil ~

### 1. Application

A Long-life mineral based lubricant oil for screw compressors.

### 2. Type

Base Oil: The paraffin based oil that was well-refined in the hydrocarbon reforming method.

Additives: The oxidation inhibitors for hot temperature, Copper Deactivator, and Rust inhibitors are included.

Daphne Superscrew is rarely affected to the mist of cutting oil, or degraded oil left in the compressor.

### 3. Characteristics

(1) It has excellent oxidation stability, and prevents from the machine troubles.

(2) It reduces the amount of sludge by mixing cutting oil mist, degraded oil.

(3) It has an excellent Rust preventing ability and demulsibility, even in the case of condensed water mixed. It facilitates the drain discharge.

(4) It prevents from copper corrosion by the effect of Copper Deactivator.

### 4. ISO Viscosity Grade

VG32 and VG46

### 5. Typical Specification

Test Items			Results		
ISO VG			VG32	VG46	VG68
Viscosity	@ 40°C	mm <sup>2</sup> /s	32.53	45.34	67.89
	@ 100°C	mm <sup>2</sup> /s	5.458	6.793	8.762
Density	15°C	g/cm <sup>3</sup>	0.8654	0.8685	0.8740
Color	(ASTM)		L0.5	L0.5	L1.0
Acid Number		mg KOH/g	0.05	0.07	0.07
Flash Point	(COC)	°C	228	230	244
Copper Corrosion	100°C×3h		1(1B)	1(1B)	1(1B)
RBOT	@150°C	min	1920	1860	—

### 7. Package

200L drum, 20L pale

#### Storage and Handling:

Keep container closed when not in use. Keep away from heat, flame or strong oxidants.

#### Health and Safety:

Reference should always be made to the Material Safety Data Sheet, a copy of which is supplied to all our customers. Always apply barrier creams to the skin and prolonged contact. Use special hand cleansers and wash toughly with soap and water. Do not get in eyes. Avoid breathing vapor, mists or fume.