

# DAPHNE

## ALPHA SCREW 32

### Description

Daphne Alpha Screw 32 is a dedicated lubricant to super-long life, oil-cooled screw compressor.

### Quality

Daphne Alpha Screw 32 consists of synthetic base oil, special oxidation inhibitor for high-temperature, copper deactivator, rust prevention and some various additives. Compressor lubricant is exposed to severe condition due to small, air-cooled, high-pressure, and eco-friendly compressor came to be used nowadays. This lubricant has excellent heat-resistant, and prevent sludge formation in order to meet demand characteristics of recent compressor oil. It should be effective in extension of oil maintenance interval.

### Characteristics

- (1) Using Synthetic base oil which has distinguished oxidation-stability and solubility of sludge.  
It prevents mechanical troubles which are attributed to sludge formation under high temperature operation  
Therefore,
  - ✓ Be able to extend oil life span (It is not necessary to change oil until overhaul.)
  - ✓ Be easier to remove crud in oil cooler.
  - ✓ Enhance safety in operating compressor.
- (2) Be easier to discharge from drain  
Excellent rust-prevention and water-separate ability protect the inside of compressor and also its systems from rust generation.
- (3) Strong copper deactivator prevents lubricant from deterioration and transformation caused by copper effect.
- (4) Have great activation under low temperature because the pour point of this lubricant is extremely low.
- (5) High viscosity index improves the discharge effect under high-temperature and high-pressure condition.

### Chemical and Physical Properties

Test Item	Test Method	Unit	Result
Density at 15°C	ASTM D4052	g/cm <sup>3</sup>	0.842
Flash Point (C.O.C)	ASTM D93	°C	230
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	32.6
Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	5.6
Viscosity index	ASTM D2270	-	110
Copper Corrosion 100°CX3h	ASTM D130	-	1(1b)
Pour Point	ASTM D97	°C	-50.0>0
RBOT	ASTM D2272	min	4770

### Package

200L D/M, 20L P/L

## Recommended oil change span : 6,000~12,000 hours

(Oil change span depends on the usage environment and a type of equipment. Please consider the timing of oil change by checking the actual oil situation.)

- Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided 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 herein is subject to change without notification.

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