

ideuk Lubricants Specifications of Products

Refrigerating Machine Oil

● Product performance

- Because lubrication performance is superior, can use effectively in wear prevention.
- Because pour point is low extremely, oil is not congealed in freezing line and wax quantity is not created entirely at low temperature.
- Because do not cause chemical effect with other material which exist to system refrigerant or cycle, long term use is possible.
- Because special quality of that mix with halogen refrigerant than mineral oil is superior, can use effectively in very low temperature and contain clearness breakup performance to itself and keep system within always clearly.
- Because electric insulation excels, can decrease electric consumption and because keep viscosity even high temperature, lubrication and closeness action excel.

● Product usage

- Being used effectively to all freezing compressor, Refrigerator of Air-conditioning and is available with some refrigerant (Freon, Ammonia etc.), but can not use with sulfur dioxide(SO₂).
- Choice of viscosity desires to observe freezing machine manufacturing firm's recommendation item.
- Manufacturing firm considers temperature and pressure and solubility with refrigerant and recommend optimum viscosity.
- Mixing use with mineral oil product is possible and in case use in supplementation on use part of mineral oil product, need to inspect oil surface height in crank case.

● Specifications

| Classification | Product | Specific Gravity 15/4℃ | Kinematic Viscosity cSt, 40℃ | Flash Point ℃ | Pour Point ℃ | Color ASTM | Total Acid Value mgKOH/g | Corrosive test (100℃X3h) | Others |
|------------------|-----------|---------------------------|---------------------------------|------------------|-----------------|---------------|-----------------------------|-----------------------------|--------|
| HI-FREEZE SERIES | ISO VG 10 | 0.880 | 10 | 160 | -50 | L0.5 | 0.01 | 1a | |
| | ISO VG 15 | 0.880 | 15.12 | 180 | -50 | L0.5 | 0.01 | 1a | |
| | ISO VG 22 | 0.880 | 22 | 185 | -45 | L0.5 | 0.01 | 1a | |
| | ISO VG 32 | 0.880 | 29.49 | 205 | -45 | L0.5 | 0.01 | 1a | |
| | ISO VG 46 | 0.881 | 46 | 210 | -35 | L0.5 | 0.01 | 1a | |
| | ISO VG 68 | 0.882 | 68 | 210 | -25 | L0.5 | 0.01 | 1a | |

* The above is recently tested representative values and could be a little different within the limits of which can not be effected.