



## SYNTHETIC AND HYGROSCOPIC OIL

For vacuum pumps and compressor

### Product informations

**SKU 11428 / 11421**

Fully synthetic, biodegradable polyesters (*POE*) based lubricants, these are specifically designed for use in refrigeration and air conditioning systems loaded with non-ozone-depleting alternative refrigerants.

### Product features

- superior lubricity characteristics compared to conventional mineral-based lubricants
- excellent anti-wear performance for steel and aluminium surfaces, extending the service life and efficiency of the lubricated system
- chemically and thermally stable products compatible with mineral oil or alkylbenzene residues that may remain in a system after replacement by *CFC* or *HFC* refrigerants
- miscibility with both mineral-based and synthetic oils (*polyalphaolefins* - *PAO* or *polyesters* - *POE*); if mixed with lubricants of a different nature or viscosity, the product's characteristics or performance are obviously altered
- anti-rust and anti-corrosion protection of metals, particularly copper alloys
- compatibility with varnishes, elastomers and paints
- formulation with biodegradable bases that are not hazardous to human health, protecting operators and the environment in the event of accidental spillage
- **the products are NOT compatible with polyalkylene glycol-based oils (*PAG*)**

### Employment

These lubricants are specifically used as an initial fill for piston, rotary or centrifugal



## Synthetic and Hygroscopic Oil

compressors in closed or semi-closed systems for domestic or industrial refrigeration and vehicle air conditioning systems.

- **ISO 22, 32, 46, 68:** suggested use in piston compressors
- **ISO 68, 100, 120, 150, 170, 220:** suggested use in screw or centrifugal compressors
- **ISO 80:** suggested use in electric compressors or systems requiring a dielectric compressor lubricant (*complies with IEC specification 61099*)

They are also suitable for use in refrigeration and air-conditioning systems loaded with non-ozone-depleting alternative refrigerants such as *R134a, R404a, R407c* and *R410a*.

They can be used in systems that switch from *R12, R22, R505* to ozone-friendly refrigerants.

## WARNINGS

These products are not recommended in ammonia systems (in this case we recommend mineral-based ones).

The products are hygroscopic, they therefore absorb ambient humidity and condensation water, it is recommended to hermetically seal the packages after use and to store them in dry places with a temperature between  $-20^{\circ}\text{C} \div +40^{\circ}\text{C}$ . In the case of storage below  $-20^{\circ}\text{C}$ , it is recommended to heat the product above  $20^{\circ}\text{C}$  before use, in order to remove as much moisture as possible.

## SKU 11427 / 11426

Vacuum pump lubricants consist of a mixture of pure base oils with appropriate additives, specifically formulated for the lubrication of vane or rotary vacuum pumps for which a specific lubricant is to be used.

## Product features



## Synthetic and Hygroscopic Oil

- high heat resistance
- good stability
- excellent *EP* lubricating and anti-drop characteristics

## Employment

Vacuum pump lubricants are used for the lubrication of vacuum pumps and compressed air equipment where lubrication conditions are most critical.

## Technical Features

SKU 11427		SKU 11426
GRADATION (ISO VISCOSITY) - ISO 3448	46	68
PHYSICAL STATE AT 20°C	CLEAR LIQUID, STRAW TO AMBER LIQUID	
FLOW TEMPERATURE - ASTM D 92	< - 10	< - 10
FLAMMABILITY COC - ASTM D 92	> 200	> 200
DENSITY AT 20°C	870 KG/MC	870 KG/MC
WATER SOLUBILITY	INSOLUBLE	
BOILING POINT (INITIAL)	> 250	> 250



## Synthetic and Hygroscopic Oil

SKU 11428		SKU 11421
GRADATION (ISO VISCOSITY) - ISO 3448	32	68
PHYSICAL STATE AT 20°C	LIQUID, CLEAR, FEEBLE YELLOW COLOR	
FLOW TEMPERATURE	< - 45	< - 35
FLAMMABILITY COC - ASTM D 92	235	250
DENSITY AT 20°C	~ 960	~ 960
WATER SOLUBILITY	HYGROSCOPIC	
ACIDITY INDEX (DEGREE OF SATURATION)	< 0.1	< 0.1
BIODEGRADABILITY	> 60 % (PASSES THE TEST IF > 60% IN 28 DAYS)	
WATER CONTENT	< 50	

SKU	MODEL	PRICE
00000011421	POE COMPRESSOR OIL - VISCOSITY 68 - 1 L	€48.5 VAT EXCLUDED
00000011426	MINERAL OIL FOR VACUUM PUMP - VISCOSITY 68 - 1 L	€30.05 VAT EXCLUDED
00000011427	MINERAL OIL FOR VACUUM PUMP - VISCOSITY 46 - 500 ML	€19.95 VAT EXCLUDED
00000011428	COMPRESSOR OIL - VISCOSITY 32 - 1 L	€41.1 VAT EXCLUDED



## Synthetic and Hygroscopic Oil

