



Synthetic alkylbenzene oils  
for refrigerating compressors.

## APPLICATIONS

Refrigerating compressors using CFC or HCFC as refrigerant.

Wide operating conditions.

Air compressors.

## FEATURES AND BENEFITS

**BARELF AL 100** is a quality lubricant for refrigeration compressors using CFC or HCFC refrigerants.

Due to their chemical nature, these oils have superior miscibility with fluorocarbon refrigerant such as R12, R502 and R22 and are thus perfectly adapted to the low temperatures.

**BARELF AL 100** is also suitable for the cylinder lubrication of heavy duty reciprocating air compressors (discharge temperature > 200 °C).

## SPECIFICATIONS AND APPROVALS



DIN 51503 KC



ISO 6743-3 DRE

## TECHNICAL DATA : BARELF AL 100

CHARACTERISTICS	METHODS	UNITS	TYPICAL VALUES*
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	876
Kinematic viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	102
Kinematic viscosity at 100°C	ISO 3104	mm <sup>2</sup> /s	8.4
Foaming sequence 1 at 24°C	ISO 6247	ml/ml	0/0
Miscibility 15% oil in R22 (UCST)	DIN 51514	°C	- 40
Flash Point (OC)	ISO 2592	°C	210
Pour Point	ISO 3016	°C	- 33

\*The specifications above are for illustrative purposes and communicated for information only.



## CUSTOMER BENEFITS

✓	<b>BARELF AL 100</b> provides high chemical stability with refrigerants, low foaming tendency and excellent lubrication properties.
✓	<b>BARELF AL 100</b> has very good miscibility behaviour with refrigerants allowing a good oil return to the compressor (down to – 60 °C at the evaporator).

## GENERAL RECOMMENDATIONS

### COMPATIBILITY

Compatibility should be checked.

Please consult your TotalEnergies Marine Lubrication Engineer should you have any questions.

### STORAGE

This product should be stored under cover in clean, dry conditions and protected from frost.

Recommended storage temperature range is 5°C to 50°C.

Drums that are stored on deck should be raised on pallets and covered to protect from the elements.

Always check regularly for leakage.

## COMPLIMENTARY PRODUCTS AND SERVICES

✓	<b>DiagomarPlus</b> – Laboratory based used oil analysis program.
✓	<b>Tech'Care</b> – Suite of onboard testing kits.
✓	<b>Technical Expertise &amp; Support</b> – Total Lubmarine engineers are on hand at worldwide locations to assist with lubrication concerns.
✓	<b>Lube-On-Ship</b> – Visualize your lube oils needs aboard Total Lubmarine's innovative virtual vessel.

