DTGB - 92.1-2-4-11

# Acid neutraliser for mineral, alkylbenzene and polyol-ester refrigerating oils

## → STOPACID-MAS / STOPACID-POE

04/11


The chemical development of acids and moisture inside of refrigerating and air conditioning installations can have important consequences on the operation of installations: compressor burnout, seizing of metallic parts, metal corrosion…

In order to protect the equipment from these undesirable chemical attacks, CARLY offers:

- → an acid neutraliser for synthetic alkylbenzene and mineral oils - STOPACID-MAS
- → and an acid neutraliser for polyol-ester oils - STOPACID-POE.

## ■ Applications

- STOPACID-MAS should be used in refrigerating and air conditioning systems lubricated by synthetic alkylbenzene and mineral oils.
- STOPACID-POE should be used in refrigerating and air conditioning systems lubricated by polyol-ester oils.
- These neutralization products are rigorously titrated and must always be used in full bottles in order to prevent moisture contamination.

## ■ Functional features

- A bottle of STOPACID treats 2 litres of oil and can reduce the oil acidity threshold by 0.1 mg of potash / g of oil.
- STOPACID-MAS is compatible with refrigerants: CFC, HCFC.
- STOPACID-POE is compatible with refrigerants: HFC.

## ■ CARLY advantages

- Products ready for use and simple of use.
- Products with high neutralization capacity of acids present in the synthetic alkylbenzene, mineral and polyol-ester oils.

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### ■ Directions for use

- For mineral and alkylbenzene oils: Determine oil acidity with the TESTOIL-MAS acid test (refer to chapter 91). If the oil acidity is high (the solution turns yellow), the oil has to be treated with STOPACID-MAS.
- For polyol-ester oils : Determine oil acidity with the TESTOIL-POE acid test (refer to chapter 91). If the oil acidity is high (the solution turns yellow), the oil has to be treated with STOPACID-POE.
- Determine oil capacity of the installation by referring to the manufacturers' documentation or getting in touch with a registered distributor.
- Define the number of STOPACID-MAS bottles required for installation neutralization: the number of bottles to use = volume of oil in the compressor (in litre) / 2.

  Note: an open bottle must be entirely poured into the installation; if the result of the above calculation indicates that 2.5 bottles are necessary, then you should use 3 bottles.
- An amount of oil equivalent to that of STOPACID-MAS must be collected before neutralization in order to maintain the compressor oil capacity.
- Shake the bottles and introduce their contents directly into the compressor sump, making sure that the system is stopped during product injection, and avoiding lengthy contact of the product with ambient air.
- After 7 days of operation, check the acidity content of the oil treated with TESTOIL-MAS or TESTOIL-POE.

### ■ Precautions for use

* Store in a dry and cool place.
* Shake the bottles before use.
* Use the product by full bottles.
* Avoid contact with eyes and skin.
* R36/38 Irritant for eyes and skin.
* S2 Keep away from children.
* S24/25 Avoid excessive contact with skin and eyes.
* **Xi**: Irritant.
* **Conditions de stockage:** Keep the product at temperatures between +5°C and +40°C.
* **Reprocessing:** the product should be disposed of in accordance with the legislation in force.

### ■ Technical features

| CARLY references | Acids neutraliser | Packaging |
|---|---|---|
| **STOPACID-MAS** | mineral and alkylbenzene | 1 bottle of 30 ml |
| **STOPACID-POE** | polyol-ester | 1 bottle of 30 ml |

### ■ Weights and packaging

| CARLY references | Unit weight (kg) | Packaging unit |
|---|---|---|
| **STOPACID-MAS** | 0,08 | 18 |
| **STOPACID-POE** | 0,08 | 18 |