

# Cleaner

## Detergent fluid for cleaning lubrication systems

### APPLICATIONS

Lubrication systems cleaning before complete drain.

Cleaner is used diluted in the fluid of the circuit requiring cleaning. This detergent is especially recommended in the case of varnish removal.

The circuit must be flushed, and the filter cartridges replaced before refilling the system with new oil.

Cleaner exists in 2 viscosities (fluid and viscous) to fit with all applications.

Cleaner should not be used at a concentration higher than 20% in the in-service oil.

### ADVANTAGES

Cleaner has a high detergency and dispersiveness level.

Contact our Technical Assistance Department to adjust the treat rate and the duration of the cleaning procedure.

Cleaner is not recommended for turbine applications.

### TYPICAL CHARACTERISTICS

| Properties           | Units              | Standards | Cleaner |     |
|----------------------|--------------------|-----------|---------|-----|
|                      |                    |           | F       | V   |
| Density at 15°C      | kg/m <sup>3</sup>  | ISO 12185 | 904     | 907 |
| Viscosity at 40°C    | mm <sup>2</sup> /s | ISO 3104  | 52      | 173 |
| Flash point open cup | °C                 | ISO 2592  | 130     | 150 |

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at [ms-sds.totalenergies.com](https://ms-sds.totalenergies.com)