

CJC® Filter Inserts, type EO

Specially designed for neutralization of acidic oil degradation products

CJC® EO FILTER INSERTS

CJC® EO Filter Inserts are made for elimination of oil degradation products, reducing varnish and acidity and increasing the resistivity of the oil. EO Filter Inserts contain aluminium oxide filter media. Its large surface area enables enhanced neutralization of oil contaminants such as acidic oil degradation and oxidation by-products, resins, sludge, and varnish. EO Filter Inserts may be used to remove varnish and acidic oil degradation products from high temperature oil and thus reduce the TAN and MPC values.

The EO Filter Inserts must be used in combination with CJC® cellulose Filter Inserts as post filters, either in the last stage of a CJC® HDU multi stay Filter or in a CJC® HDU single stay Filter using hybrid Filter Inserts.

Applicable in the following oils:

- Mineral oil
- Hydraulic fire resistant fluids (HFD)
- Glycol oil- Polyalkylene glycols (PAG)
- Ester oil- Polyolester oil (POE), Phosphate Ester oil, Environmentally acceptable Lubricants (EAL) and biodegradable oils

Used in the following applications:

- Transformer insulation
- Gear and bearing lubrication
- Hydraulic systems
- Compressor lubrication
- Turbine lubrication
- Engine lubrication

The CJC® EO Filter Inserts are available in two different versions:

- EO 15/25
- EO 27/27

COMPONENTS

CJC® EC Filter Inserts consist of polyester needle felt bags filled with Aluminium Oxide.

EO Filter Inserts are supplied in vacuum sealed bags to keep them dry and protected. They must only be unpacked immediately before installation and use.

IDENTIFICATION & WEIGHT

To order the EO Filter Inserts, please use:

Article No.:

- 1 x EO 15/25: PD5600610 (3.8 kg / 8.4 lb)
- 1 x EO 27/27: PD5600607 (10 kg / 22 lb)



EO 15/25



EO 27/27

USER BENEFITS

- ▶ **Reduction of TAN and MPC, Increase of Resistivity**
CJC® EO Filter Inserts neutralize acidic oil degradation products and varnish, lower MPC and TAN and increase the Resistivity of the oil.
- ▶ **Prolonging the oil life time and avoiding oil change**
CJC® EO Filter Inserts eliminate oil contaminants and oxidation catalysts, restore and maintain the oil in good condition.
- ▶ **Preventing failures and mitigating risk of downtime**
Clean oil ensures reduced wear, extended component lifetime and lower O&M costs

USER RECOMMENDATIONS

- ▶ **Oil filtration - post filter**
The CJC® EO Filters must always be used in conjunction with CJC® Cellulose Inserts as post filter to ensure removal of solid contaminants from the fluid, and to avoid aluminum oxide entering the oil system by mistake. The EO hybrid Filter Insert can be installed and used directly in a single stay HDU 27/- housing.
- ▶ **Installation**
CJC® EO Filter Inserts must be installed according to the filter replacement instruction guides using the original filter spring guides and filter plates.
- ▶ **Service and Replacement**
CJC® EO Filter Inserts are consumables, they cannot be cleaned and must be changed regularly. It must not be operated longer than 12 months. To ensure optimal efficiency and best results it is recommended to replace EO inserts every 3- 6 month. Pressure drop across the EO filter insert may not necessarily increase over time when saturating and gradually losing its capacity.
- ▶ **Water in the oil**
The presence of water in the oil reduces the efficiency of CJC® EO Filter Insert and may lead to unwanted reactions in the oil. In case high water levels are detected we recommend drying the oil using CJC® MS Filter Inserts, CJC® Desorber or CJC® PTU water removal units prior to using EO Filter Inserts.