

TURBOTECT 2020, biphase water-based and biodegradable

DESCRIPTION

TURBOTECT 2020 is a biphase water-based, superior quality cleaner for on- and off-line application with an extremely high cleaning performance comparable to solvent-based cleaners. TURBOTECT 2020 is a unique blend of non-ionic surfactants and solubilizers in a water-based solution.

KEY FEATURES

- Biphasic
- Highly effective water-based compressor cleaner outperforming conventional water-based compressor cleaners
- Low-foaming product
- High performance with cold or hot water
- Low non-volatile residue
- Biodegradable
- Conforms to the specifications of all major gas turbine manufacturers

PACKING

- 20 litres non-returnable cans
- 208 litres non-returnable polyethylene drums
- 1'005 litres ECOBULK-IBC's

PROPERTIES

Compared to conventional monophase detergents TURBOTECT 2020 as a biphasic compressor cleaner has the following unique benefits:

- Significant reduction of surface tension – to facilitate ideal wetting of surfaces and the contact of the cleaning liquid with the contaminant
- Reduction of interfacial tension – to facilitate detachment of the contaminant from surfaces
- Emulsification and stabilization – Encapsulates the contaminant in the biphasic, micro-emulsion network of the cleaner

Pictures provided by a Turbotect customer upon switching to TURBOTECT 2020:

Fig. 1

Regular on-line and off-line cleaning with a monophase detergent did not prevent massive build-up of hydrocarbon deposits on the blade surface.

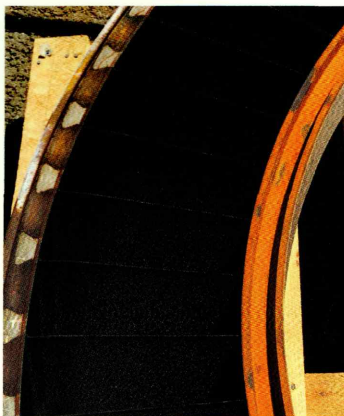


Fig. 1

Fig. 2

A switch to biphase TURBOTECT 2020 brought the removal of a large portion of the hydrocarbon deposits from the blade surface leading to efficiency and power output increases.

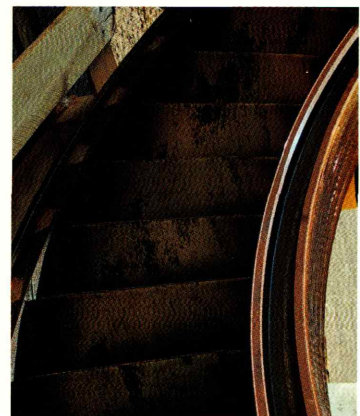


Fig. 2

Cleaning with a monophase cleaner allowed the build-up of deposits leading to a degradation of power output and a decrease in efficiency of the gas turbine. Switching to TURBOTECT 2020 enabled the plant to recover these losses by increasing the power output and efficiency of the gas turbine.