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CASE STUDY

Industrial Gas Manufacturer Avoids Compressor Shutdown with ESP

ESP eliminates routine shutdowns and bearing replacement and/or manual cleaning

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Industrial Gas Manufacturer Avoids Compressor Shutdown with ESP

TOTAL REPORTED CUSTOMER SAVING

US +$100,000

CLIENT: Industrial Gas Manufacturer

COUNTRY: Belgium

APPLICATION: Atlas Copco multistage compressor

OIL VOLUME: 1200 liters

SAVINGS: 17.000 € per year

SOLUTION: Fluitec ESP

PROBLEM

One of Belgium's market leaders in gas-related technology and services for industry and healthcare was experiencing varnish buildup on bearings which resulted in shutdowns every 3-4 months and with manual bearing cleaning and/or replacement, as well increased filter exchange rates.

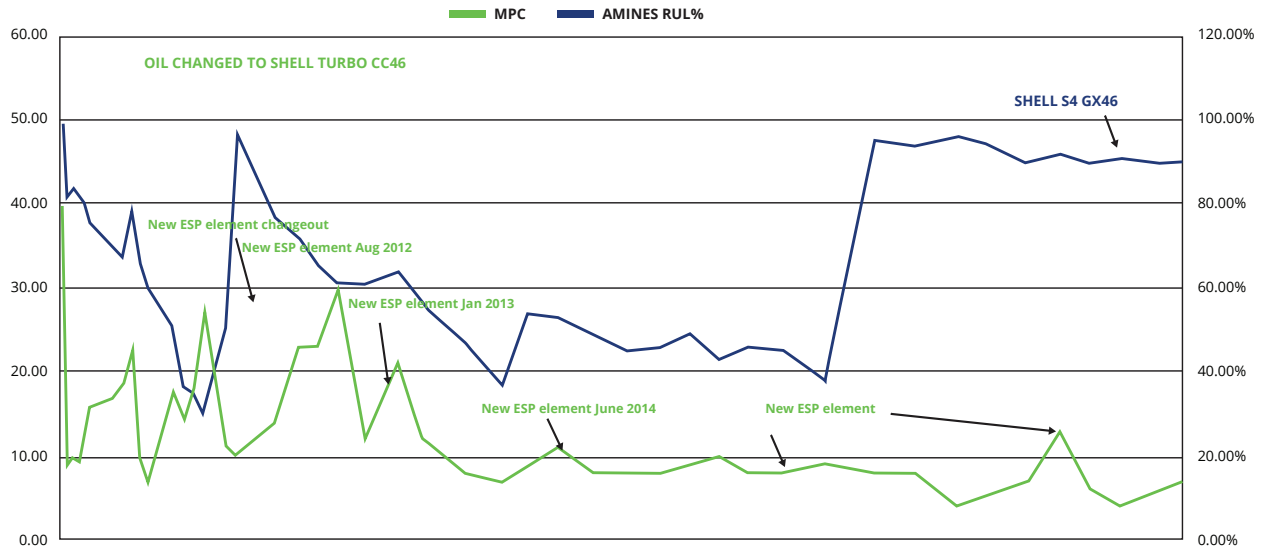
SOLUTION

Fluitec's ESP™, (Electophysical Separation Process) is a lubricant varnish and deposit mitigation technology using chemical filtration. The ESP system has been installed for the past nine years and has maintained high levels of success.

RESULTS

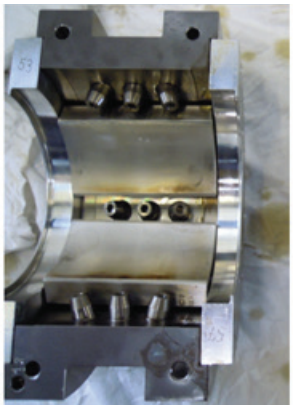
- No varnish-related maintenance intervention since installation
- No bearing replacement
- Longer filter life
- Lubricant life extension

OIL CONDITION TREND 2011 - 2020

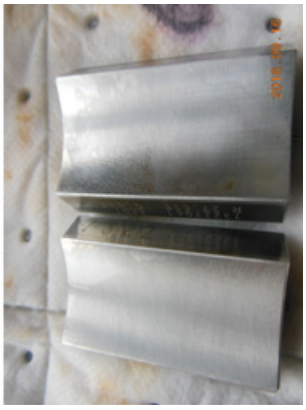


VISUAL BEARING CONTROL

2010



2011



2016

INDUSTRIAL GAS MANUFACTURER AVOIDS COMPRESSOR SHUTDOWN WITH ESP

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