

CUSTOMER

Swegon has manufactured and distributed air handling units and fans for more than 50 years. The massive production facility covers more than 36.000 sqm. A total of 350 persons are working at the factory in Kvänum and the factory also houses a large research and development department and modern test facilities.

SYSTEM

Hydraulic Press Talent LMD 2500
Manufactured: 1994.
Oil: 1.400 liters, Azolla ZS 68
Last oilchange: 2010-03-01
Pressure: 32,5 Mpa.
Control system: AP&T/Siemens S7.



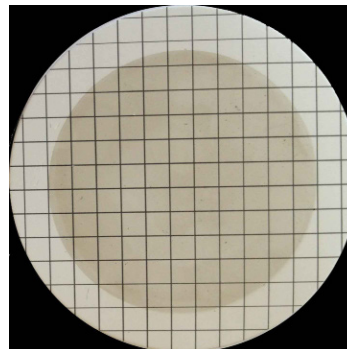
PROBLEM

Swegon has started an Europafilter trial on one of their presses. The customer intend to invest in fixed EF system on all presses and stamping machines to reduce valve problems. The aim is also to reduce oil consumption by 75% by reducing regular oil changes.

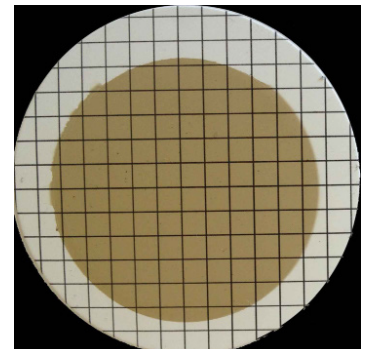


RESULT BEFORE INSTALLATION

An oilsample was taken 2013-06-10
Patch test was made and analyzed by Europafilters own laboratory.
Both 0,8 and 0,45 micron membranes were used.
As you can see there is a lot of contamination underneath 0,8 micron.
(0,45 micron membrane much darker.)



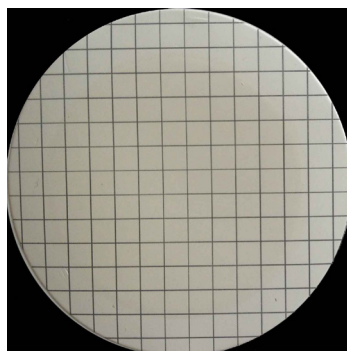
0,8 micron



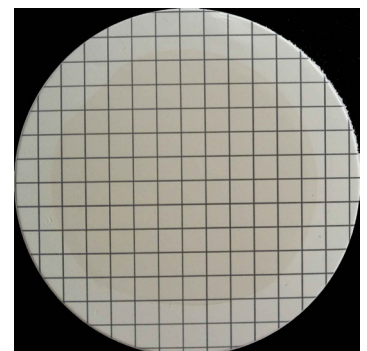
0,45 micron

RESULT AFTER 22 DAYS

A new oilsample was taken 2013-07-02
15870 l has passed thru Europafilter.
(Oilvolume has passed 11 times.)
A clear improvement in only 22 days!
It's important to notice the big improvement on removing small particles above 0,45 micron.
These small particles would otherwise have been left in the system, sticking to surfaces.
(Valves, tubes, walls of the tank.)



0,8 micron



0,45 micron