



Atlas Copco Drill Rigs at E. Hartikainen

Company: E. Hartikainen

Location: Finland

System : Atlas Copco Drill Rigs
Oil type Mobil DTE M 13
Viscosity ISO VG 32 cSt
Oil volume 400 litres

Period : May - November 2009





Problem and Solution

Problem

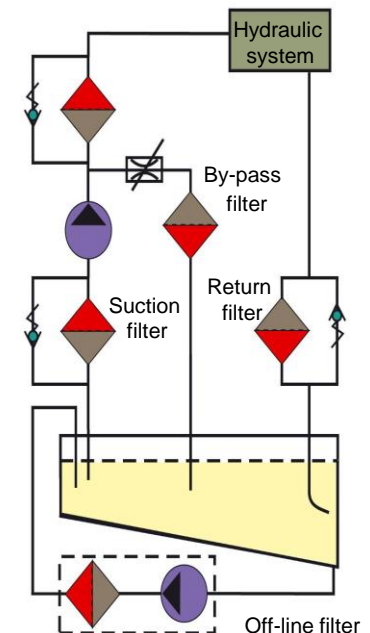
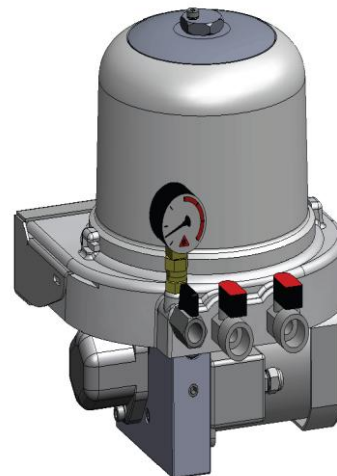
The drilling rigs are working in a very rough and dusty environment resulting in high contamination of the hydraulic oil.

Consequently, the customers have often experienced oil related problems as well as regular unforeseen breakdowns.

The oil cleanliness level in this case was also above the recommended level from the manufacturer.

Solution

HDU 15/12 M
CJC™ off-line Fine Filter
Insert: BG 15/12
Pump flow: 20 L/h
Motor: 24V DC





Atlas Copco Drill Rig 924 (before & after)

Machine : **Atlas Copco Drill Rig 924**
Before filter installation

Date: 28.05.09

Type of oil: Mobil DTE M 13

ISO Classification: **20/19/16**

Particles per 100 ml > 2 μ m: **596.344**



Machine : **Atlas Copco Drill Rig 924**
1 month after installation of CJC

Date: 02.07.09

Type of oil: Mobil DTE M 13

ISO Classification: **17/16/12**

Particles per 100 ml > 2 μ m: **78.242**



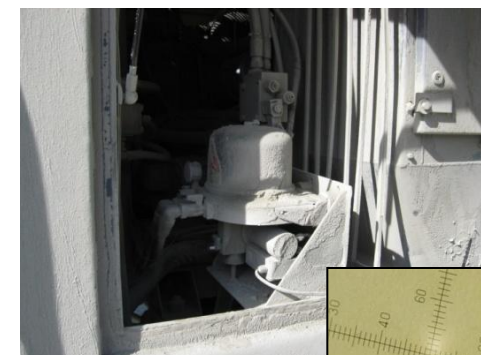
Machine : **Atlas Copco Drill Rig 924**
6 months after installation of CJC

Date: 24.11.09

Type of oil: Mobil DTE M 13

ISO Classification: **13/12/10**

Particles per 100 ml > 2 μ m: **6.868**



Membrane