



REFERENCE CASE

MINING



CUSTOMER

LKAB was 2010 Sweden's eighth largest exporter, with exports of over 23 billion. Together with other mining, LKAB accounted for 40 percent of the Swedish net exports.

SYSTEM

Hydraulic system
Type of oil: Shell Tellus S46
Oil Capacity: 12 000-15 000 liters

PROBLEM

LKAB had problems with leaks in the cooler to their main hydraulic system.
Oil capacity was between 12000-15000 liters.
Water content in oil 4045 ppm water.



SOLUTION

EF2135D

Hydraulic Manager Stefan Thornéus decided to install European filter to remove the water.
In 2 1/2 week watercontent went down from 4045 ppm to 20 ppm!
Filters consumption was 28 st. filter inserts.
Average water capacity / filter was 2.5 liters.
Filter cost: 14 000 Euro



RESULT

LKAB avoided production loss (estimated 24 hours) if they have had an oilchange!
Estimated cost of oil change:
New oil: 20 000 Euro
Destruction old oil: 14 000 Euro
Other costs: 4 000 Euro
Production Loss. 1 100 000 Euro (The worst case scenario.)

