

REFERENCE STUDY

MINING

BERGTEAMET



CLIENT

Bergteamet are Scandinavia's leading subcontractor for underground operations. LKAB is one of their biggest customer.

SYSTEM

Atlas Copco Boomer



CHALLENGE

OPERATIONAL UNRELIABILITY

Bergteamet experienced problems with operational reliability on the drill rig.
Water caused problems with proportional valves.
Oil consisted 20350 ppm of water.
Dirt in oil 34,4 mg/100 ml. ASTM F313 (modified)



SOLUTION

A KIDNEY LOOP OIL FILTRATION ASSEMBLED IN AN OFFLINE CIRCUIT

An installation of Europafilters kidney loop oil filtration unit was assembled in an offline circuit.



RESULT

NO PROBLEMS IN PRODUCTION

The results were remarkable. The end result was 70 ppm or 0.04 liters of water.
We used 4 x filter = 2.5 liters of water per filter.
In addition, the oil was cleaner than a new one.
From 34.4 mg/100 ml to 0.8 mg per 100 ml.

