



CLEAN OIL
BRIGHT IDEAS

Lubrication Oil Cone Crusher

CJC™ Application Study

Application Study
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CUSTOMER

Mine: **Minera El Tesoro - Sierra Gorda**
Antofagasta, Chile.

THE SYSTEM

Cone crusher H6000
Mark: Svedala. Main lubrication system
Tank: 250 L. Oil ISO VG 150

THE PROBLEM

The new generation of Svedala equipment demands the highest oil cleanliness levels. The machinery is placed outside in a very dusty environment resulting in high contamination, especially with silicon particles.

THE SOLUTION

CJC™ Fine Filter HDU 27/54 P with a **CJC™ Filter Insert B 27/54**.

Dirt holding capacity: 8 litres each.
Filtering level: 3 micron abs.
Filter material: Cellulose.
Pump: 600 L/h.

THE RESULT

The test of the CJC™ Fine Filter in crusher No 2 showed, after 6 hours of filtration an ISO cleanliness class 15/12/9. At the same time sampling was made after the filter to check the equipment efficiency in one pass and amazing code ISO 13/10/7 was seen.

Maintenance Manager Renato Salvo Ravioly was very satisfied with these results and has installed CJC oil Care Equipment on app. 20 other oil systems.



*Crusher No 2 - Lubrication Tank.
Minera El Tesoro, Chile.*

THE RESULT

| | 2 micron | 5 micron | 15 micron | ISO |
|----------------|----------|----------|-----------|----------|
| Before | 191,730 | 26,760 | 1,550 | 18/15/11 |
| 2 hours | 82,510 | 23,960 | 1,790 | 17/15/11 |
| 4 hours | 17,020 | 3,130 | 360 | 15/12/9 |
| 6 hours | 20,330 | 3,540 | 1,170 | 15/12/9 |
| 1 Pass | 4,550 | 850 | 340 | 13/10/7 |

COMMENTS

Maintenance Manager Renato Salvo Ravioly:

"Looking at the satisfying results and bearing in mind the firm support of the supplier, we highly recommend the purchase of these units to be used for crushing and piling lines (Racho) or where ever necessary". The supplier has clearly shown the benefits of installation of these filters. Their technology is used not only in the mining field, but in many other areas.