



R.L. BALCONI Co.

Reliability, Innovation, Integrity

CASE STUDY

CLIENT: NORTH AMERICAN
IRON ORE MINE

PROJECT: Secondary Cone
Crusher Off-line Oil Filter



C.C. JENSEN

99%
REDUCTION
of 4 micron particles in 2
weeks



One pass through the filter inserts

CC Jensen Off-line Filtration Drastically Reduces Oil Contamination

THE CHALLENGE

Large levels of dirt ingress
contaminated 600 gal of
EP150 oil in a secondary
cone crusher

→ Starting point ISO 26/23/18



THE SOLUTION

CC Jensen HDU 27/108
mobile fine filter with (x4)
B27/27 cellulose inserts



THE OUTCOME

→ ISO 23/21/18 after 2 days

→ ISO 20/18/14 after 1 week

→ ISO 19/16/10 after 2 weeks

→ Reused the original oil

Sample Date	Visc Index	Water %	Optical Particle Classification Results			
			Code	> 4µ	> 6µ	> 14µ
2015/05/15	94	< 0.001				
2022/03/30	91	N	19 / 16 / 10	4343	565	9
2022/03/24	89	N	20 / 18 / 14	9427	1871	92
2022/03/18	92	N	23 / 21 / 18	59962	14500	1389
2022/03/16	95	N	26 / 23 / 18	369272	59034	2486



R.L. BALCONI Co.

Reliability, Innovation, Integrity