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ICB® AW Case Study

BACKGROUND

Application: Hydraulic Press

Location: SC, USA

Site: Graphite Electrode Manufacturing Plant

PROBLEM

Varnish-accumulation in the Plant's hydraulic press led to reliability issues. At its peak, this problem had a significant impact on the plant's production. Oil analysis revealed that the press' AW hydraulic oil had a high MPC varnish potential as the result of normal breakdown during its service.

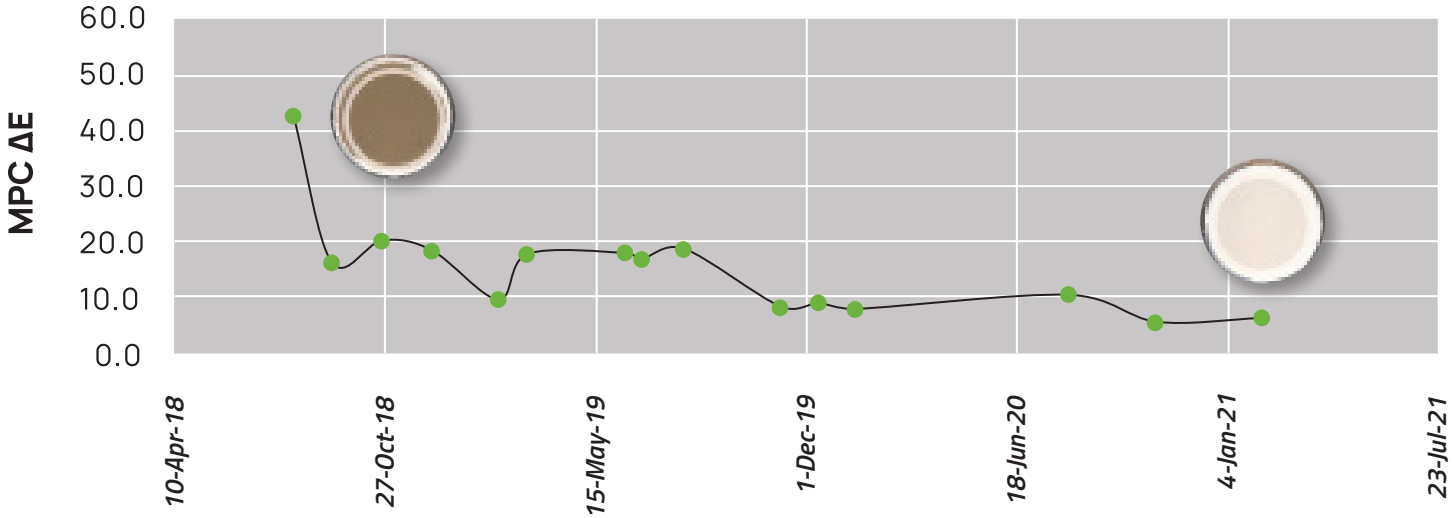
SOLUTION

An SVR® Lubricant Conditioning skid employing ICB® AW filters was installed on the Press.

RESULTS

The installed SVR Skid/ICB AW filters effectively removed varnish and its soluble precursors from the site's hydraulic press, improving its MPC varnish potential by 87%. Most importantly, ICB AW's selective engineering allowed the filters to remove varnish without any adverse impact on the oil's AW additive levels. Once the varnish was removed from the system, continued oil conditioning prevented it from accumulating again. Varnish-related failures are a thing of the past at this site as the result of SVR/ICB AW.

HYDRAULIC PRESS



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LUBRICANT CHEMISTRY MANAGEMENT

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