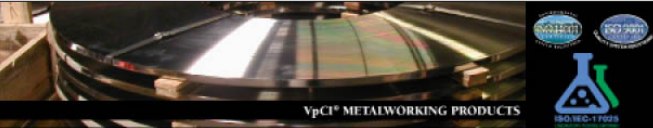


VpCI® METALWORKING PRODUCTS

CASE HISTORY SPOTLIGHT

Case History #382: Soy-Based Emulsion Replaces 30W Oil and Eliminates Slip Hazard at Engine Plant



CASE HISTORY

Valve Stem Guide Line Protection

DATE
November 2010

CUSTOMER
Diesel Engine Manufacturer

LOCATION
Midwest USA


PRODUCTS
BioCorr® Rust Preventative

PROBLEM
The customer was using 30 weight oil to lubricate the valve stems before inserting them into the engines. The oil was creating a slip hazard on the floor and a mess with the work station.

APPLICATION
To eliminate the problem, BioCorr® Rust Preventative was tested in various concentrations. It was applied to the valve stem and inserted into the cylinder head. Since it is a soy based emulsion, there is less overspray and leaves the work station cleaner.

CONCLUSION
Cortec's Bio-Corr® Rust Preventative provided enough lubricity and the process was implemented. The customer has eliminated the slip hazards and the area surrounding this station is very clean. In fact due to the cleanliness of the area they were able to spot a hydraulic leak a few months after this was implemented. When oil started accumulating in the area, they realized it was coming from another source and found the leak. This could have been prolonged in the old operation.

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Environmentally Safe VpCI®/MCI® Technologies

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A diesel engine manufacturer faced a slip hazard and messy workstation from using 30-weight oil to lubricate valve stems before inserting them into engines. The plant experimented with different concentrations of BioCorr® Rust Preventative in an effort to replace the 30-weight oil and eliminate the problem.

They found that the soy-based BioCorr® emulsion provided necessary lubricity and also left a cleaner workstation because of less overspray. This took care of the slip hazard and, because of the area's cleanliness, helped the plant detect a hydraulic leak much sooner than likely would have been possible with the messiness of the previous product!

See pictures and read the full case history at: https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch382.pdf.

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