



CASE STUDY

CUSTOMER

PIONEER NATURAL RESOURCES (PNR)

LOCATION

TEXAS USA / 2014

EQUIPMENT

3512 CAT ENGINE

APPLICATION

ENGINE OIL

PROVEN RESULTS



EXTENDED ENGINE PERFORMANCE

REDUCED MAINTENANCE COSTS

“Clearly OEI magnetic filters pick up ferrous and non-ferrous contamination below 20 microns traditional filters are unable to. Removal of this contamination during the break in stage will extend the engine component life reducing operational costs and increase uptime.”

- Daniel Stoye, the Maintenance Manager

CHALLENGE

Clean new engine lube oil on a 3512C CAT engine to a level that exceeds the ISO fluid cleanliness standard 18/16/13.

Daniel Stoye, Maintenance Manager with Pioneer Natural Resources wanted to extend engine component life so that maintenance intervals could extend to align with quarterly inspections.

SOLUTION

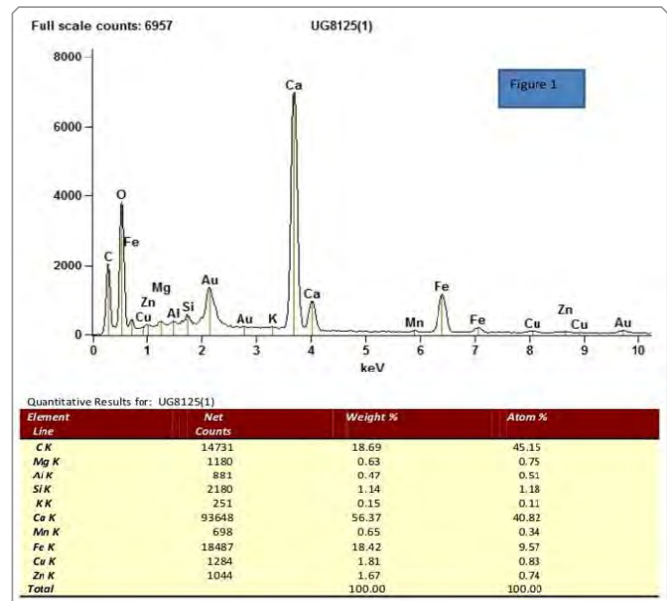
Daniel recommended the installation of an OEI ADD-Vantage 9000 after experiencing multiple successes deploying the technology on other equipment.

RESULTS

Upon start up the system ran for 30 hours. The contamination shown in the photo (the majority < 10 microns) was removed from the system after having already passed through the two traditional CAT filters. Due to the success of the OEI filter, engine oil cleanliness levels increased allowing for protection of the components and extending maintenance intervals.

Analysis of the contamination showed:

- » 86% non-ferrous (69.6% Calcium),
- » 14% ferrous



PRODUCT RECOMMENDATION
ADD-VANTAGE 9000

403.242.4221

QUOTES@ONEEYEINDUSTRIES.COM

