



WDA No 001 C1

Client Company

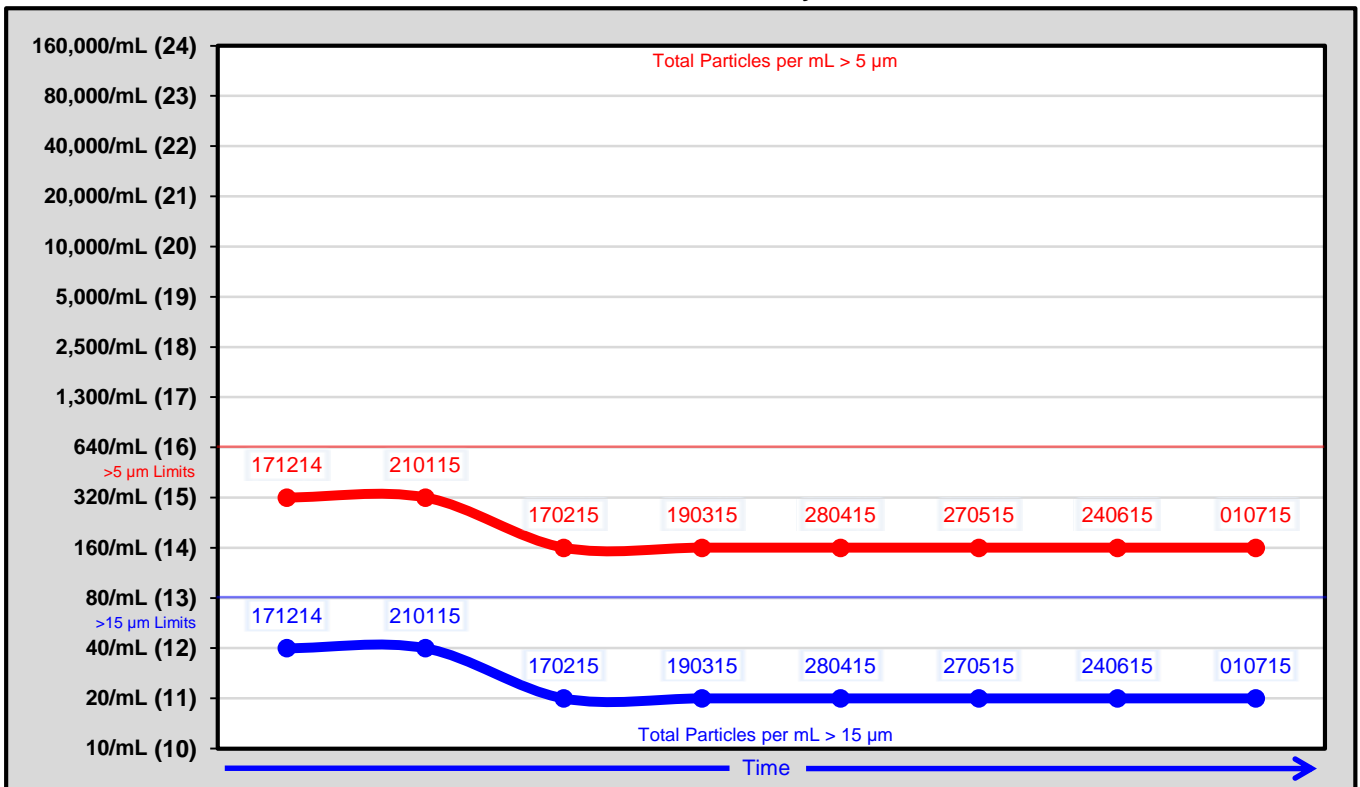
Company Details
 Attention of Client Name
 Contact Details

Objective. C1 Gas Compressor Oil Sample from 1/07/2015. Complete Laboratory analysis on sample, information found used to establish machine condition and future maintenance requirements.

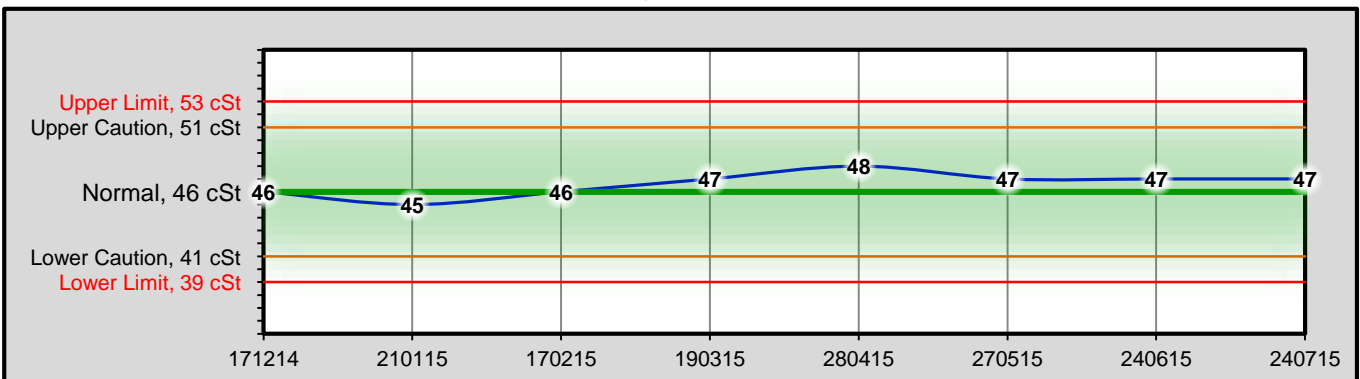
Method. Sample approx 100 mL received, Sample preparation in accordance with Procedure No. 22. One sample processed 1 mL in volume, therefore the amount seen in the video pictures is relatable to the debris concentration per mL of oil.



ISO 4407 Cleanness Code for Wear Debris Analysis No 001 C1 - ISO 14/11



Mobil DTE 846 - Upper & Lower limits, Sample Viscosity cSt @ 40 °C



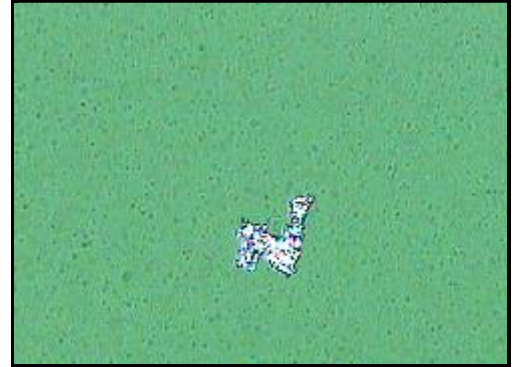
3 µm Membrane Filter



These images at 100X/1000X indicates the average wear debris and contamination deposited on the analysis filter from 1 CC of the sample being forced through the 3-µm Membrane Analysis Filter.

The brightness of microscope's bottom Green/Blue light shining up through the sample provides an indication of the level of wear debris and contamination per CC of sample.

100 µm



240715 Results Conclusions and Recommendations

The C1 Gas Compressor Oil Sample indicates the compressor is running in a normal wear mode at a low rate of wear with few gelled lubricant particles deposited upon the analysis filter.

Resample in 800 hrs to monitor the applications trends.

240615 Results Conclusions and Recommendations

The C1 Gas Compressor Oil Sample indicates the compressor has continued to run in a normal wear mode at a low rate of wear with few gelled lubricant clusters deposited upon the analysis filter.

Resample in 800 hrs to monitor the applications trends.

270515 Results Conclusions and Recommendations

The C1 Gas Compressor Oil Sample indicates the compressor has continued to run in a normal wear mode at a low rate of wear with few gelled lubricant clusters and fine metallic particles deposited upon the analysis filter.

Resample in 800 hrs to monitor the applications trends.

280415 Results Conclusions and Recommendations

The C1 Gas Compressor Oil Sample indicates the compressor is running in a normal wear mode at a low rate of wear with few fine metallic particles and a few to light amount of gelled lubricant clusters deposited upon the analysis filter.

Resample in 800 hrs to monitor the applications trends.

Rob Simmonds
Reliability Manager

The analysis provided is indicative of conditions based upon sample information received and quality of sample processed. Recommendations are provided as a guide only. Any decisions relating to repair of components or changes to procedures are entirely at the discretion of the customer.