## **OIL ANALYSIS REPORT**

### **CUMMINS 1 - GENSET**

Sample No: VPA043578

Oil Type: SHELL ROTELLA T 15W40

#### SAMPLE INFORMATION VPA043578 Sample Number Sample Date 10 Sep 2023 Machine Hours 0 0 **Oil Hours** Oil Changed Changed ATTENTION Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.1 Base Number (BN) mg KOH/g 7.6 Oxidation (PA) % 56 CONTAMINATION Soot % % 0.1 % Nitration (PA) 63 Sulfation (PA) % 50 % Glycol NEG Fuel % <1.0 Silicon ppm 6 Sodium ppm Potassium **10** ppm WEAR METALS Iron ppm 8 3 Copper ppm Lead ppm <1 Tin ■ <1 ppm Aluminum ppm 3 Chromium **||** < 1 ppm Molybdenum 85 ppm Nickel 0 ppm Titanium <1 ppm 0 Silver ppm Manganese 1 🔲 ppm Vanadium 0 ppm **ADDITIVES** Calcium 2106 ppm 191 Magnesium ppm 1219 Zinc ppm Phosphorus ppm 987 Barium ppm 0 🔲 Boron ppm 148

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### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. The high sodium (Na) level indicates the possible presence of salt water. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP930782

 Unique No:
 10642982

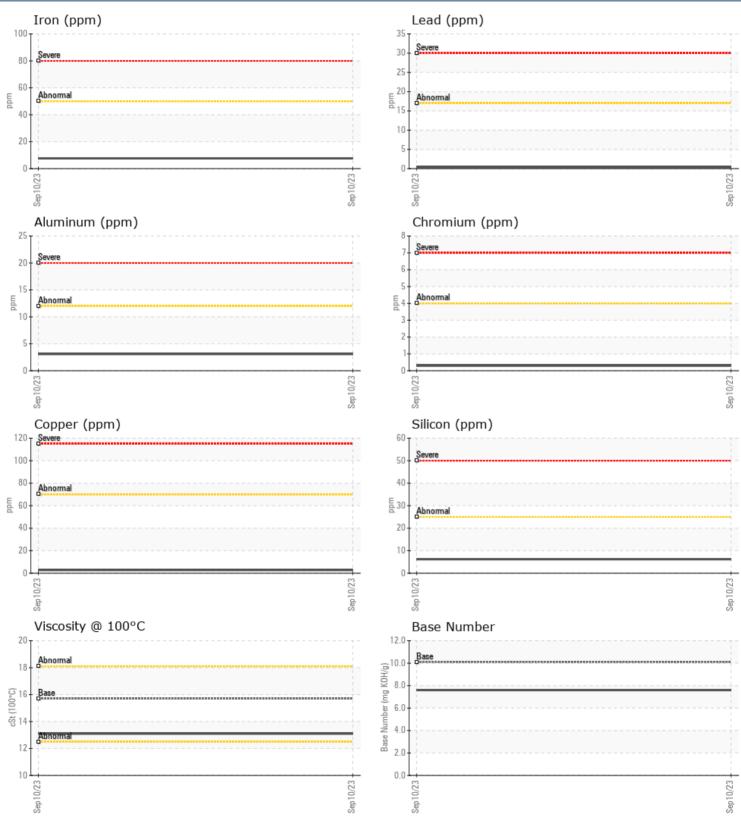
 Signed:
 Jonathan Hester

 Report Date:
 13 Sep 2023

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP930782 [WUSCAR] 05947023 (Generated: 09/13/2023 15:46:51) Rev: 1

Contact/Location: JAN SCHARWACHTER - VP930782