OIL ANALYSIS REPORT

KURT LENTSCH CUMMINS 46055746 - PORT DIESEL ENGINE

Sample No: VPA059813

Oil Type: SHELL ROTELLA T4 15W40

SAMPLE INFORMATION Sample Number VPA059813 Sample Date 20 Oct 2023 Machine Hours 0 0 **Oil Hours** Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 14.8 Base Number (BN) mg KOH/g 8.1 Oxidation (PA) % 70 CONTAMINATION Soot % % 0.5 % Nitration (PA) 62 Sulfation (PA) % 59 % NEG Glycol Fuel % <1.0 Silicon ppm 3 Sodium 4 ppm Potassium ppm **4** WEAR METALS Iron ppm 22 10 Copper ppm Lead ppm 0 Tin ■ <1 ppm Aluminum <1 ppm Chromium **||** < 1 ppm Molybdenum ppm 2 Nickel 1 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese ■ <1 ppm 0 Vanadium ppm ADDITIVES

| Calcium | ppm | 2139 | | |
|------------|-----|------|------|--|
| Magnesium | ppm | 15 | | |
| Zinc | ppm | 1183 | | |
| Phosphorus | ppm | 845 | | |
| Barium | ppm | 0 | | |
| Boron | ppm | 166 | | |

BAY MARINE

3 E MADISON ST WAUKEGAN, IL US 60085 Contact: BRENDAN COWHEY brendan@baymarine.net T: (847)336-2628 E:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. 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:
 VP1174336

 Unique No:
 10711567

 Signed:
 Sean Felton

 Report Date:
 27 Oct 2023

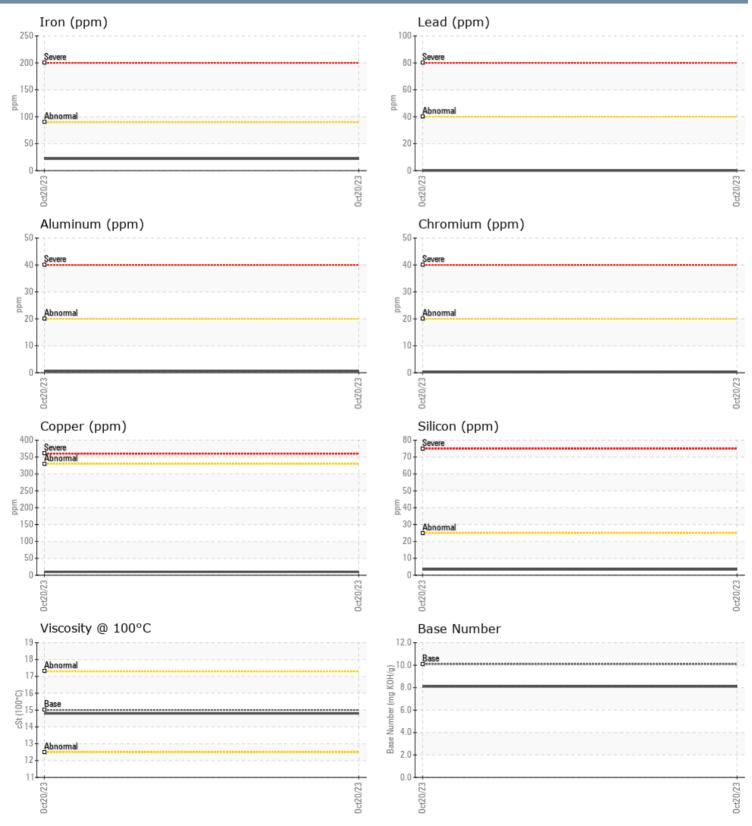
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GRAPHS



Report Id: VP1174336 [WUSCAR] 05988905 (Generated: 10/27/2023 10:38:57) Rev: 1

Contact/Location: BRENDAN COWHEY - VP1174336