OIL ANALYSIS REPORT

CATERPILLAR CATERPILLAR 3208 - PORT DIESEL ENGINE

Sample No: VPA034290

Oil Type: NOT GIVEN

SAMPLE INFORMATION Sample Number VPA034290 VPA028337 Sample Date 16 Aug 2023 21 Nov 2020 Machine Hours 0 0 0 0 **Oil Hours** Oil Changed Changed Changed NORMAL Sample Status SEVERE **OIL CONDITION** T: F: 13.3 Visc @ 100°C cSt Base Number (BN) mg KOH/g 7.4 Oxidation (PA) % 74 118 CONTAMINATION % 26 Water ---% Soot % 0.5 0.4 Nitration (PA) % 68 256 % Sulfation (PA) 60 0 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 5 4 ppm **4** 934 Sodium ppm **4** Potassium 9 7 ppm WEAR METALS 42 34 Iron ppm 51 44 Copper ppm Lead 13 ppm 3 Tin 1 0 ppm Aluminum 3 ppm 4 Chromium 1 < 1 ppm Molybdenum 4 155 ppm Nickel 2 1 ppm Titanium ppm **||** <1 < 1 0 **2** Silver ppm Manganese <1 < 1 ppm 0 Vanadium <1 ppm **ADDITIVES** Calcium 2120 1630 ppm Magnesium 15 31 ppm Zinc ppm 1151 822 693 Phosphorus ppm 895 Barium 0 0 ppm Boron ppm 186 53

VOLVO PENTA

Seaborn Marina Inc. 87 Ocean Ave. BAY SHORE, NY US 11706 Contact: MIKE MCSWEENEY michael@sbaymarine.com T:

Diagnosis

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.

 Depot:
 VP543511

 Unique No:
 10615380

 Signed:
 Doug Bogart

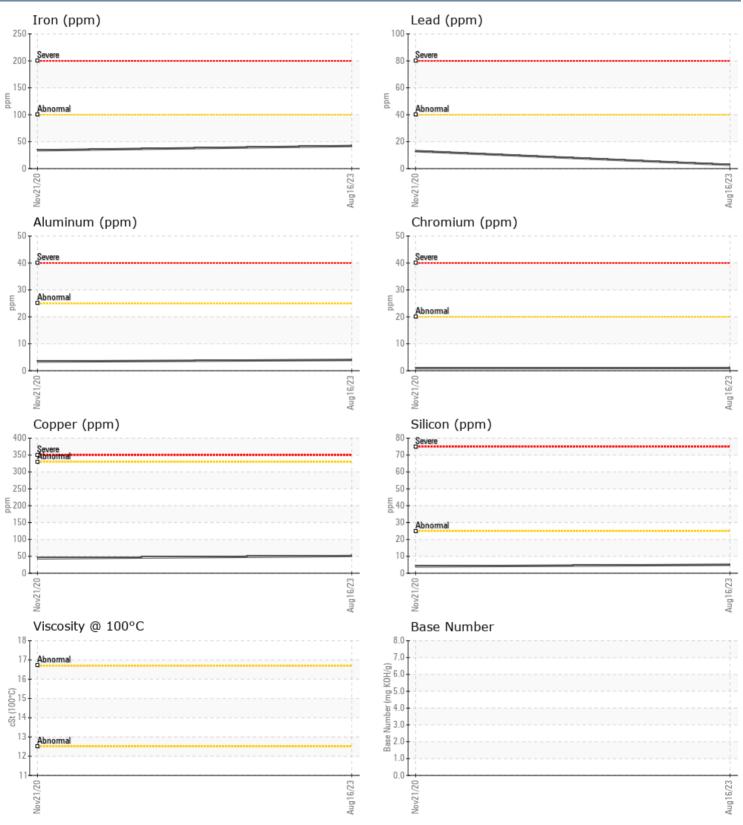
 Report Date:
 22 Aug 2023

Contact/Location: MIKE MCSWEENEY - VP543511

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GRAPHS



Report Id: VP543511 [WUSCAR] 05930109 (Generated: 08/22/2023 14:35:20) Rev: 1

Contact/Location: MIKE MCSWEENEY - VP543511