## **OIL ANALYSIS REPORT**

### VOLVO PENTA 2006039788 - PORT DIESEL ENGINE

Sample No: VPA056866

Oil Type: DIESEL ENGINE OIL SAE 15W40

#### SAMPLE INFORMATION VPA056866 Sample Number 29 Aug 2023 Sample Date Machine Hours 2052 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 14.8 Base Number (BN) mg KOH/g 8.6 Oxidation (PA) % 57 CONTAMINATION Soot % % 0.1 % Nitration (PA) 50 Sulfation (PA) % 50 % Glycol NEG Fuel % <1.0 Silicon ppm 12 Sodium 4 ppm Potassium ppm 3 WEAR METALS 13 Iron ppm **||** <1 Copper ppm Lead ppm <1 Tin ■ <1 ppm Aluminum ppm 4 Chromium **||** < 1 ppm Molybdenum 45 ppm Nickel 0 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm Vanadium 0 ppm **ADDITIVES** Calcium 1343 ppm

# Calcium ppm 1343 -- -- -- Magnesium ppm 788 -- -- -- Zinc ppm 1317 -- -- -- Phosphorus ppm 1053 -- -- -- Barium ppm 0 -- -- -- Boron ppm 33 -- -- --

VOLVO PENTA

JOHNSTONS MARINE SERVICES

1850 NW 15th AVENUE, SUITE 205 POMPANO BEACh, FL US 33069 Contact: NEIL JOHNSTON neil@1jms.com T: (984)448-0813 F:

### 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 suitable for further service.

 Depot:
 VPJOHDEE

 Unique No:
 10629123

 Signed:
 Sean Felton

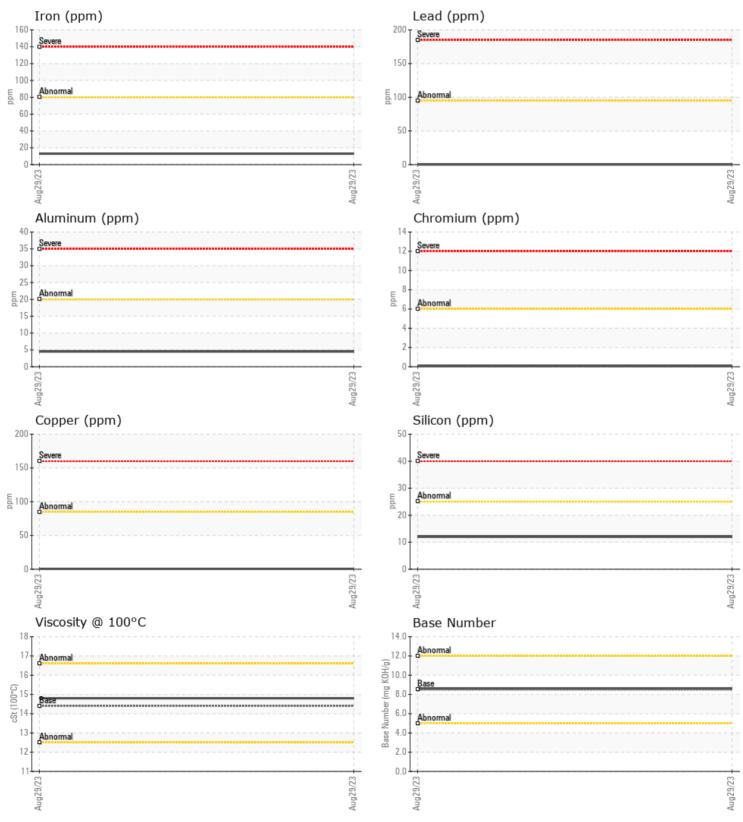
 Report Date:
 31 Aug 2023

Contact/Location: NEIL JOHNSTON - VPJOHDEE

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### GRAPHS



Report Id: VPJOHDEE [WUSCAR] 05938511 (Generated: 08/31/2023 15:55:47) Rev: 1

Contact/Location: NEIL JOHNSTON - VPJOHDEE