## **OIL ANALYSIS REPORT**

## **VOLVO PENTA**

## SEA 1805 1443966 - STARBOARD DIESEL ENGINE

Sample No: VPA055890

Oil Type: SHELL ROTELLA T 15W40

#### SAMPLE INFORMATION VPA055890 Sample Number Sample Date 24 Oct 2023 Machine Hours 461 **Oil Hours** 36 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 14.3 Base Number (BN) mg KOH/g 8.60 Oxidation (PA) % 64 CONTAMINATION % NEG Water % Soot % 0.2 Nitration (PA) % 53 % Sulfation (PA) 56 Glycol % NEG Fuel % <1.0 Silicon 4 ppm Sodium 0 🔲 ppm Potassium 7 ppm WEAR METALS Iron 7 ppm 3 Copper ppm Lead ■ <1 ppm Tin 0 ppm Aluminum ppm 1 Chromium <1 ppm Molybdenum ppm 13 Nickel **||** <1 ppm Titanium ppm **||** <1 0 Silver ppm Manganese 0 🔲 ppm Vanadium ppm 0 **ADDITIVES** 1941 Calcium ppm Magnesium 190 ppm Zinc ppm 1150 Phosphorus ppm 950 Barium 0 🔲 ppm Boron ppm **171**

ART ZIEKY

15 CHAPLIN ST NEWINGTON, CT US 06111 Contact: ART ZIEKY ziekman@cox.net T: (860)960-7681 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:
 VPARTNEW

 Unique No:
 10751243

 Signed:
 Sean Felton

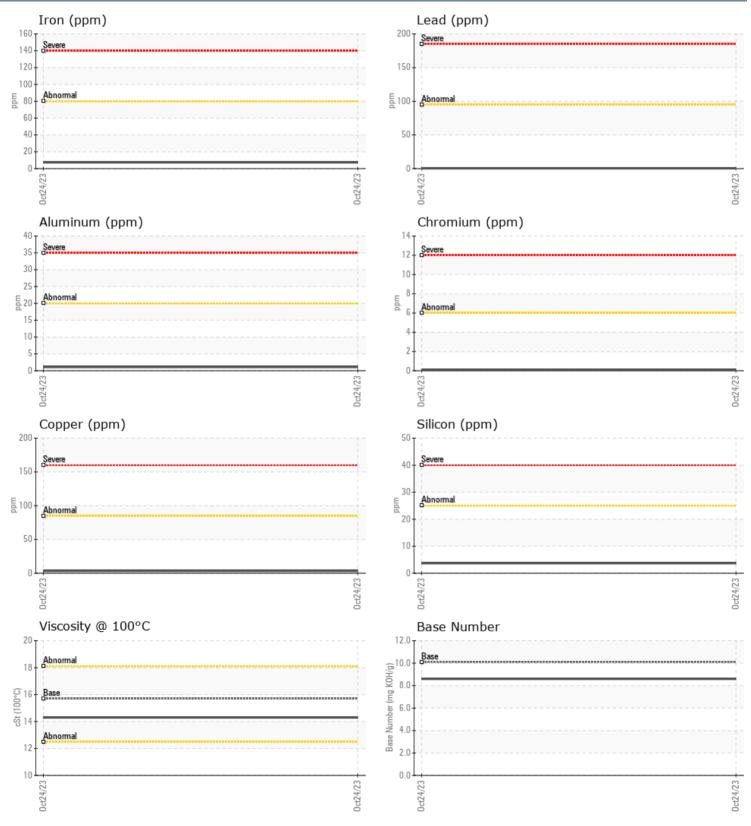
 Report Date:
 21 Nov 2023

Contact/Location: ART ZIEKY - VPARTNEW

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### GRAPHS



Report Id: VPARTNEW [WUSCAR] 06012099 (Generated: 11/21/2023 17:25:30) Rev: 1

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