## **OIL ANALYSIS REPORT**

#### SMART DIESEL SERVICE LLC 1758 VOLVO PENTA 7011459022 - STARBOARD DIESEL ENGINE

Sample No: VPA059244

**Oil Type:** VOLVO PENTA SAE 15W40

#### SAMPLE INFORMATION VPA059244 Sample Number **SMART DIESEL SERVICE** Sample Date 19 Dec 2023 102 NW 133RD AVE, UNIT 103 Machine Hours 798 PLANTATION, FL **Oil Hours** 0 US 33325 Oil Changed Not Changd Contact: ANDRES GARMENDIA NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C 14.12 cSt Base Number (BN) mg KOH/g 9.7 Oxidation (PA) % 65 CONTAMINATION Water % NEG % Soot % 0.1 Nitration (PA) % 54 Sulfation (PA) % 56 Glycol % NEG Fuel % <1.0 Silicon 5 ppm Sodium 1 ppm Potassium 2 ppm WEAR METALS Iron 4 ppm 15 Copper ppm Lead ppm 0 🔲 Tin ■ <1 ppm Aluminum ppm 1 Chromium 0 ppm Molybdenum 45 ppm Nickel ■ <1</p> ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese <1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1060 ppm Magnesium **799** ppm Zinc ppm 881 Phosphorus ppm 715 Barium 0 🔲 ppm Boron ppm 39 Depot: Unique No: Signed:

smartdieselservice@gmail.com

## T: (954)258-8100

### 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 BN level is low. The condition of the oil is acceptable for the time in service.

**Report Date:** 

VPSMAPLA

10796239

Doug Bogart

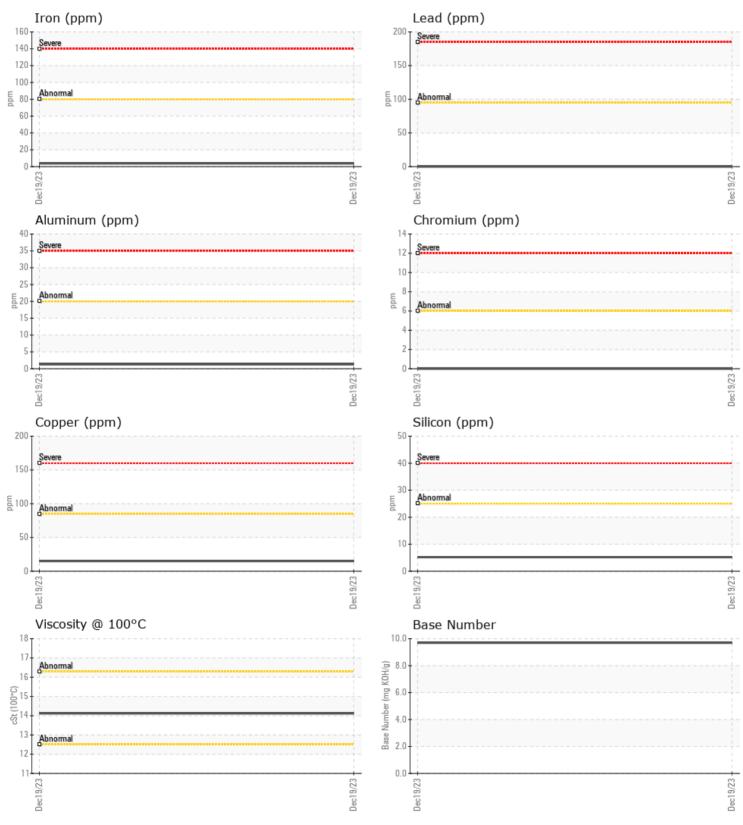
20 Dec 2023



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VPSMAPLA [WUSCAR] 06041010 (Generated: 12/20/2023 16:32:56) Rev: 1

Contact/Location: ANDRES GARMENDIA - VPSMAPLA