# **OIL ANALYSIS REPORT**

# DOUGLAS SLATER ALAN VOLVO PENTA 2071163563 - STARBOARD DIESEL ENGINE

### Sample No: VPA041012

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

#### SAMPLE INFORMATION VPA041012 Sample Number Sample Date 16 Nov 2023 Machine Hours 1689 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Τ· F: Visc @ 100°C cSt 13.8 Base Number (BN) mg KOH/g 9.4 Oxidation (PA) % 67 CONTAMINATION Water % NEG % Soot % 0.5 Nitration (PA) % 69 Sulfation (PA) % 58 Glycol % NEG Fuel % <1.0 Silicon 4 ppm Sodium 3 ppm Potassium **||** <1 ppm WEAR METALS Iron 8 ppm 28 Copper ppm Lead ppm 2 Tin ■ <1 ppm Aluminum ppm 2 Chromium <1 ppm 48 Molybdenum ppm Nickel **4** ppm Titanium ppm **||** <1 Silver 0 ppm Manganese **||** <1 ppm Vanadium ppm <1 **ADDITIVES** Calcium 1379 ppm Magnesium 632 ppm Zinc ppm 1250 Phosphorus ppm 1037 Barium 0 🔲 ppm Boron ppm 28 Depot:



Precision Marine Center Llc 290 Drake Ave NEW ROCHELLE, NY US 10805 Contact: Marc Castellano marc@precisionmarinecenter.com T:

## 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:
 VP850387

 Unique No:
 10752958

 Signed:
 Don Baldridge

 Report Date:
 23 Nov 2023

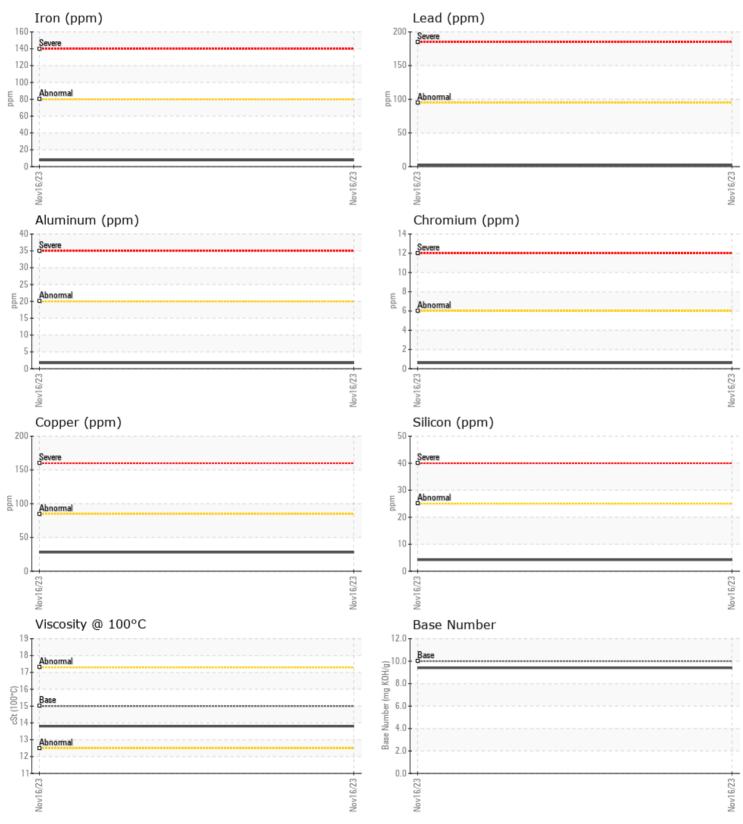
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Contact/Location: Marc Castellano - VP850387

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### GRAPHS



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