OIL ANALYSIS REPORT

NADINE URCIUOLI 2300549-ELYSIAN SHOR VOLVO PENTA 51220259117 - CENTER DRIVE

Sample No: VPA041591

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION Sample Number VPA041591 **Helmuts Marine Service** Sample Date 06 Nov 2023 619 Canal Street Machine Hours 654 SAN RAFAEL, CA **Oil Hours** 654 US 94901-3545 Oil Changed Changed Contact: NADINE URCIUOLI NORMAL Sample Status SERVICE@HEI MUTSMARINE COM T: x: **OIL CONDITION** F: x: Visc @ 40°C cSt 64.9 Diagnosis CONTAMINATION Oil and filter change at the time of % NEG Water sampling has been noted. Resample Silicon ppm 5 at the next service interval to Sodium 4 ppm monitor.All component wear rates Potassium ppm 0 are normal. There is no indication of any contamination in the oil. The WEAR METALS condition of the oil is acceptable for the time in service. PO 13 12 Iron ppm Copper 14 ppm Lead 3 ppm <1 Tin ppm Aluminum ppm <1 Chromium ppm 0 Molybdenum 59 ppm 0 🔲 Nickel ppm Titanium 0 ppm Silver 0 ppm Manganese ■ <1 ppm Vanadium 0 ppm **ADDITIVES** 1045 🔳 Calcium ppm Magnesium ppm 933 Zinc ppm 1192 Phosphorus ppm 1120 Barium 3 ppm Boron ppm 9

 Depot:
 VP152741

 Unique No:
 10762941

 Signed:
 Doug Bogart

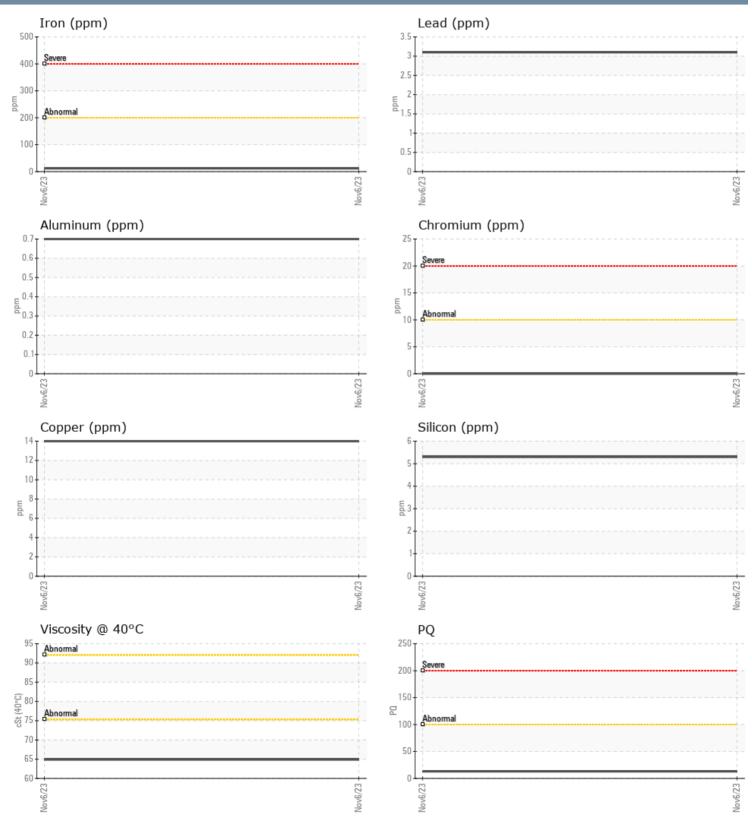
 Report Date:
 28 Nov 2023

VOLVO PENTA

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP152741 [WUSCAR] 06018441 (Generated: 11/29/2023 12:44:20) Rev: 1

Contact/Location: NADINE URCIUOLI - VP152741