## **OIL ANALYSIS REPORT**

## BRIAN MCCULLOUGH VOLVO PENTA 3868913 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA045197

**Oil Type:** VOLVO API GL-5 SAE 75W90

#### SAMPLE INFORMATION Sample Number VPA045197 **MARINE EVOLUTIONS** Sample Date 02 Aug 2023 Machine Hours 337 LORTON, VA 20 **Oil Hours** US 22079 Oil Changed Changed SEVERE Sample Status T: (702)345-0365 **OIL CONDITION** F: Visc @ 40°C cSt 106.9 Diagnosis CONTAMINATION % Water **0.251** Silicon ppm ■<1 Sodium 0 ppm Potassium ppm 1 WEAR METALS PO 18 9 336 Iron ppm Copper 2 ppm Lead **||** <1 ppm Tin 0 🔲 ppm 3 Aluminum ppm Chromium ppm 3 **||** < 1 Molybdenum ppm 11 Nickel ppm Titanium ppm <1 Silver ppm <1 Manganese 2 ppm Vanadium 0 ppm **ADDITIVES** 15 Calcium ppm Magnesium ppm 2 Zinc ppm 23 Phosphorus ppm 1323 Barium ppm 0 Boron ppm 239



6831 HILL PARK DR Contact: TIM STAPLES service@marineevolutions.com

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

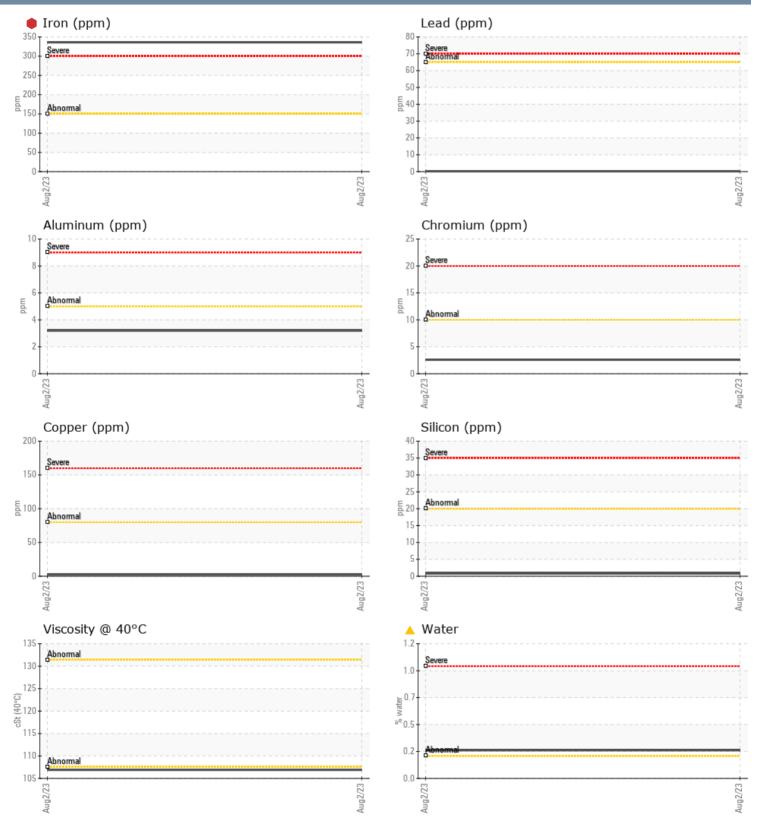
| Depot:       | vp446360        |
|--------------|-----------------|
| Unique No:   | 10589074        |
| Signed:      | Jonathan Hester |
| Report Date: | 10 Aug 2023     |

Contact/Location: TIM STAPLES - VP446360

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### GRAPHS



Report Id: vp446360 [WUSCAR] 05917160 (Generated: 08/10/2023 13:46:13) Rev: 1

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