OIL ANALYSIS REPORT

MICHAEL SWINSON FTM494126 VOLVO PENTA 7011371466 - STARBOARD DIESEL ENGINE

Sample No: VPA044642

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION Sample Number VPA044642 13 Jun 2023 Sample Date Machine Hours 809 0 **Oil Hours** N/A Oil Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.9 Base Number (BN) mg KOH/g 9.1 Oxidation (PA) % 66 CONTAMINATION Soot % % 0.5 % Nitration (PA) 60 Sulfation (PA) % 58 % Glycol NEG Fuel % <1.0 Silicon ppm 7 Sodium **||** <1 ppm Potassium ppm 0 🔲 WEAR METALS Iron ppm 8 53 Copper ppm Lead ppm <1 Tin ■ <1 ppm Aluminum 2 ppm Chromium **|** <1 ppm Molybdenum ppm 62 Nickel ■ <1 ppm Titanium 0 🔲 ppm Silver ppm 0 🔲 Manganese **||** <1 ppm Vanadium 0 ppm **ADDITIVES**

| Calcium | ppm | 1042 | | |
|------------|-----|-------------|------|--|
| Magnesium | ppm | 959 | | |
| Zinc | ppm | 1229 | | |
| Phosphorus | ppm | 1010 | | |
| Barium | ppm | 0 | | |
| Boron | ppm | <1 | | |

FDDA - FORT MYERS

1326 SE 17TH STE 460 FORT MYER, FL US Contact: JASON HOGAN j.hogan@ssss.com T: 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:
 VP1088679

 Unique No:
 10522864

 Signed:
 Angela Borella

 Report Date:
 21 Jun 2023

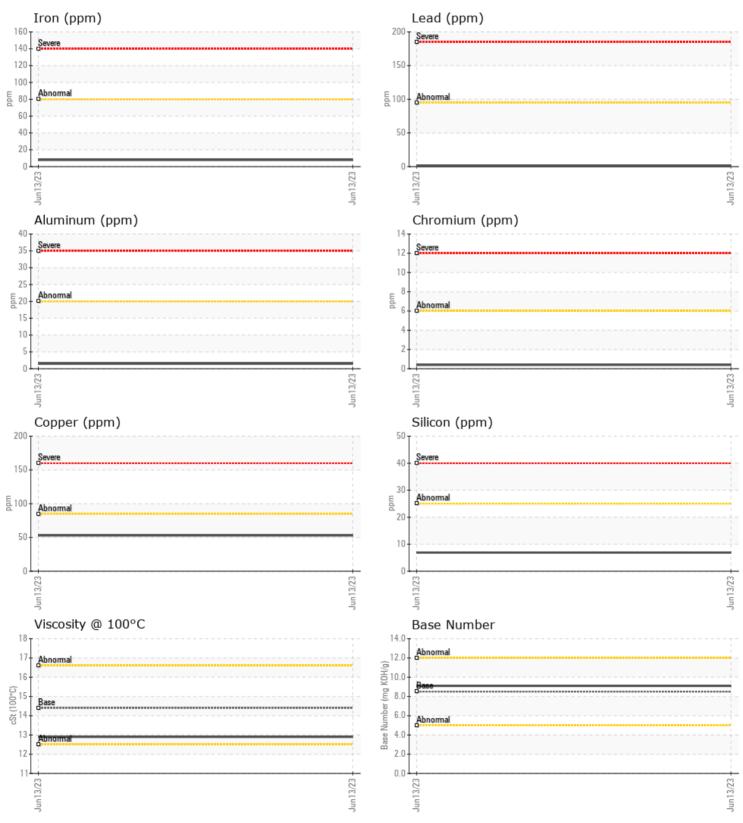
Contact/Location: JASON HOGAN - VP1088679



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GRAPHS



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Contact/Location: JASON HOGAN - VP1088679