OIL ANALYSIS REPORT

BELLINGER MANN 71053238235323 - STARBOARD DIESEL ENGINE

Sample No: VPA043575

Oil Type: MOBIL DELVAC 1 5W40

SAMPLE INFORMATION

| Sample Number | | VPA043575 | | |
|------------------|-------|--------------|------|--|
| Sample Date | | 05 Sep 2023 | | |
| Machine Hours | | 0 | | |
| Oil Hours | | 0 | | |
| Oil Changed | | Changed | | |
| Sample Status | | NORMAL | | |
| | | | | |
| OIL CONDITION | | | | |
| Vies @ 100°C | cSt | 1 2 6 | | |
| Visc @ 100°C | | 13.6 | | |
| Base Number (BN) | 3 . 3 | 7.6 | | |
| Oxidation (PA) | % | 90 | | |
| CONTAMINATION | | | | |
| CONTAMINATION | | | | |
| Soot % | % | □1 | | |
| Nitration (PA) | % | 56 | | |
| Sulfation (PA) | % | 73 | | |
| Glycol | % | NEG | | |
| Fuel | % | <1.0 | | |
| Silicon | ppm | 5 | | |
| Sodium | ppm | 2 | | |
| Potassium | ppm | 2 | | |
| | | _ | | |
| WEAR METALS | | | | |
| | | | | |
| | | | | |

Iron 19 ppm Copper 31 ppm 0 🔲 Lead ppm Tin ■ <1 ppm Aluminum 3 ppm Chromium 1 ppm Molybdenum 81 ppm Nickel ppm ■ <1 Titanium ppm 1 Silver ppm 0 🔲

ADDITIVES

Manganese

Vanadium

ppm

ppm

| Calcium | ppm | 1428 | | |
|------------|-----|-------------|------|--|
| Magnesium | ppm | 840 | | |
| Zinc | ppm | 1202 | | |
| Phosphorus | ppm | 939 | | |
| Barium | ppm | 0 | | |
| Boron | ppm | 250 | | |

Strongs Water Club & Marina LLC PO BOX 1409 MATTITUCK, NY

MATTITUCK, NY US 11952 Contact: JAN SCHARWACHTER jan@strongsmarine.com T: (631)298-4739 F: (631)298-4803

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:
 VP930782

 Unique No:
 10642984

 Signed:
 Don Baldridge

 Report Date:
 13 Sep 2023

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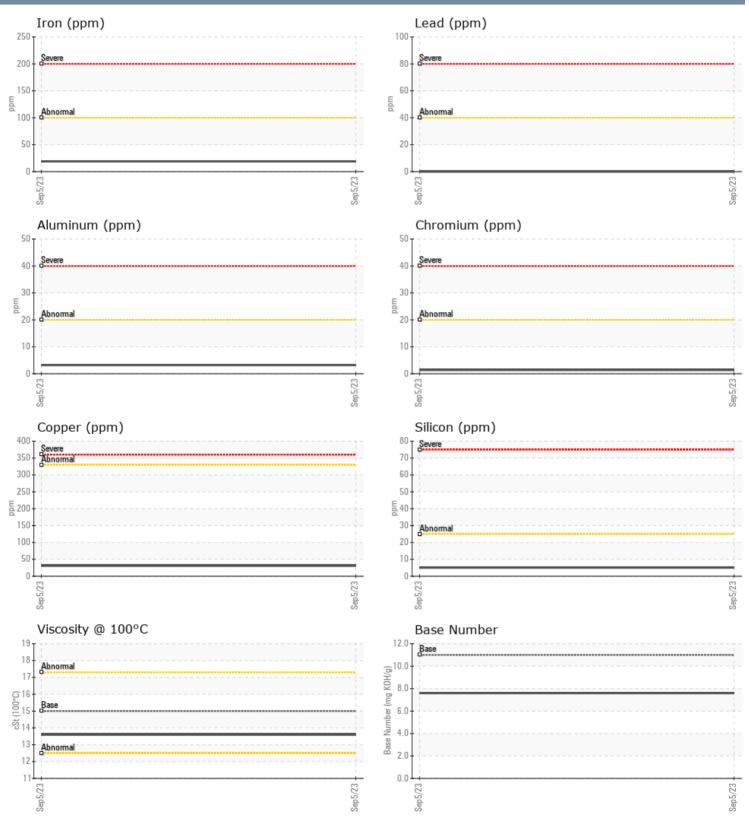
Contact/Location: JAN SCHARWACHTER - VP930782



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GRAPHS



Report Id: VP930782 [WUSCAR] 05947025 (Generated: 09/13/2023 11:27:50) Rev: 1

Contact/Location: JAN SCHARWACHTER - VP930782