## **OIL ANALYSIS REPORT**

### SILVER SEAS ONAN 201205 - GENSET

Sample No:

VPA058330 {unknown}

Oil Type:

#### SAMPLE INFORMATION Sample Number VPA058330 VPA019789 Sample Date 14 Mar 2024 04 Jun 2020 Machine Hours 314 195 314 195 **Oil Hours** Oil Changed Not Changd N/A NORMAL NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.8 13.62 Base Number (BN) mg KOH/g 8.6 Oxidation (PA) % 48 54 CONTAMINATION % NEG NFG Water % Soot % 0.1 0 Nitration (PA) % 49 55 % 48 Sulfation (PA) 52 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 6 9 ppm Sodium ppm 3 4 Potassium 3 0 ppm WEAR METALS 4 Iron 2 ppm 1 2 Copper ppm Lead 0 ppm **||** < 1 Tin ■ <1 0 ppm Aluminum 1 ppm 2 Chromium ppm <1 < 1 Molybdenum ppm 6 7 Nickel 0 ■ <1</p> ppm Titanium ppm <1 <1 0 0 Silver ppm Manganese <1 ppm < 1 Vanadium <1 0 ppm **ADDITIVES**

| Calcium    | ppm | 1247 | 1152 | <br> |
|------------|-----|------|------|------|
| Magnesium  | ppm | 714  | 546  | <br> |
| Zinc       | ppm | 816  | 677  | <br> |
| Phosphorus | ppm | 704  | 578  | <br> |
| Barium     | ppm | 0    | 1    | <br> |
| Boron      | ppm | 83   | 73   | <br> |
|            |     |      |      |      |

Helmuts Marine Service

619 Canal Street SAN RAFAEL, CA US 94901-3545 Contact: NADINE URCIUOLI SERVICE@HELMUTSMARINE.COM T: x: F: x:

VOLVO Penta

#### Diagnosis

No corrective action is recommended at this time. 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:
 VP152741

 Unique No:
 10937593

 Signed:
 Doug Bogart

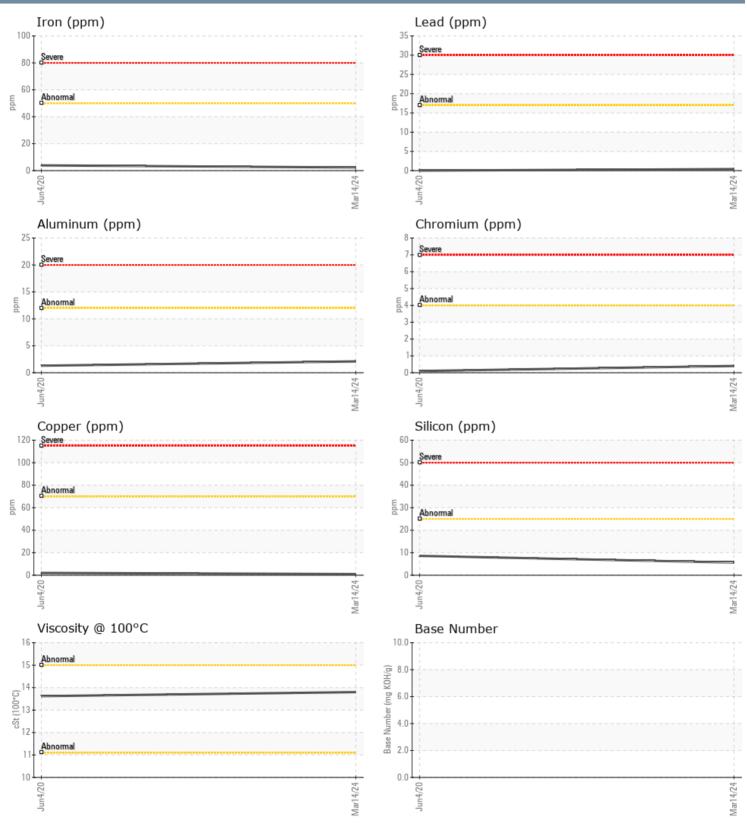
 Report Date:
 21 Mar 2024

Contact/Location: NADINE URCIUOLI - VP152741

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#### GRAPHS



Report Id: VP152741 [WUSCAR] 06123442 (Generated: 03/28/2024 08:20:29) Rev: 1

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