## **OIL ANALYSIS REPORT**

## L210022528 - GENSET

Sample No:VPA056368Oil Type:DIESEL ENGINE OIL SAE 40

| SAMPLE INFORMAT  | TION     |             |      |  |
|------------------|----------|-------------|------|--|
| Sample Number    |          | VPA056368   | <br> |  |
| Sample Date      |          | 27 Nov 2023 | <br> |  |
| Machine Hours    |          | 260         | <br> |  |
| Oil Hours        |          | 0           | <br> |  |
| Oil Changed      |          | Not Changd  | <br> |  |
| Sample Status    |          | NORMAL      | <br> |  |
| OIL CONDITION    |          |             |      |  |
| Visc @ 100°C     | cSt      | ∎13.0       | <br> |  |
| Base Number (BN) | mg KOH/g | 9.6         | <br> |  |
| Oxidation (PA)   | %        | 57          | <br> |  |
| CONTAMINATION    |          |             |      |  |
| Water            | %        | NEG         | <br> |  |
| Soot %           | %        | 0           | <br> |  |
| Nitration (PA)   | %        | 40          | <br> |  |
| Sulfation (PA)   | %        | 51          | <br> |  |
| Glycol           | %        | NEG         | <br> |  |
| Fuel             | %        | <1.0        | <br> |  |
| Silicon          | ppm      | 6           | <br> |  |
| Sodium           | ppm      | 2           | <br> |  |
| Potassium        | ppm      | 0           | <br> |  |

#### WEAR METALS

| Iron       | ppm | <b>  </b> <1 | <br> |  |
|------------|-----|--------------|------|--|
| Copper     | ppm | 3            | <br> |  |
| Lead       | ppm | □<1          | <br> |  |
| Tin        | ppm | □<1          | <br> |  |
| Aluminum   | ppm | □<1          | <br> |  |
| Chromium   | ppm | 0            | <br> |  |
| Molybdenum | ppm | 57           | <br> |  |
| Nickel     | ppm | 0            | <br> |  |
| Titanium   | ppm | □ <1         | <br> |  |
| Silver     | ppm | 0            | <br> |  |
| Manganese  | ppm | □<1          | <br> |  |
| Vanadium   | ppm | <1           | <br> |  |

| ADDITIVES  |     |             |      |  |
|------------|-----|-------------|------|--|
| Calcium    | ppm | 1120        | <br> |  |
| Magnesium  | ppm | <b>912</b>  | <br> |  |
| Zinc       | ppm | <b>1194</b> | <br> |  |
| Phosphorus | ppm | <b>1022</b> | <br> |  |
| Barium     | ppm | 0           | <br> |  |
| Boron      | ppm | 7           | <br> |  |
| BOIOII     | ррп |             | <br> |  |



ADVANCED YACHT SUPPORT

30197 MATTHEWSTOWN RD EASTON, MD US 21601 Contact: CHUCK EMMONS chuck@advancedyachtsupport.net T: F:

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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:
 VPADVEAS

 Unique No:
 10764023

 Signed:
 Doug Bogart

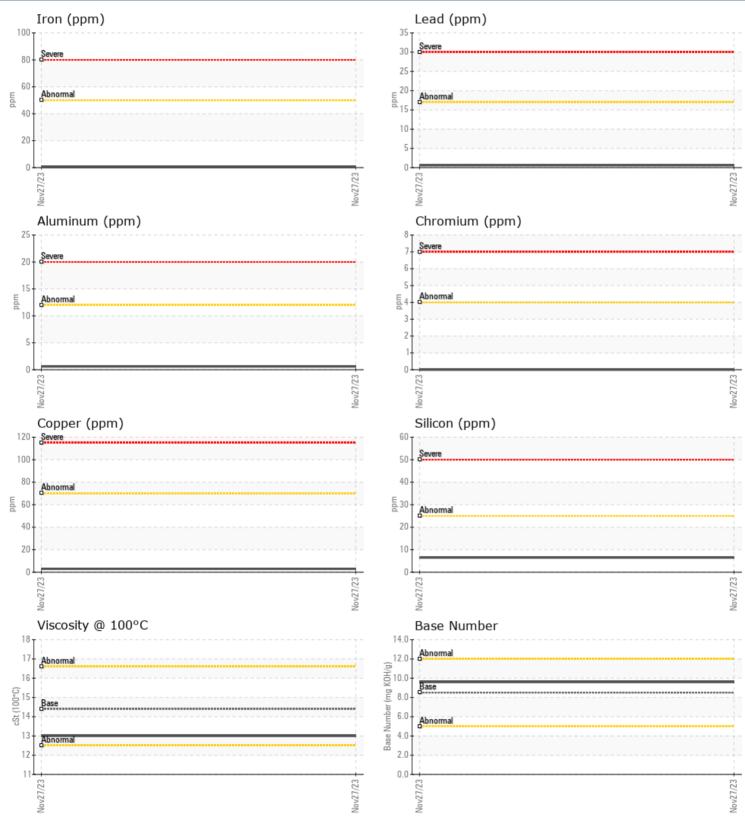
 Report Date:
 29 Nov 2023

Contact/Location: CHUCK EMMONS - VPADVEAS

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#### GRAPHS



Report Id: VPADVEAS [WUSCAR] 06019523 (Generated: 11/29/2023 16:48:53) Rev: 1

Contact/Location: CHUCK EMMONS - VPADVEAS