## **OIL ANALYSIS REPORT**



### VOLVO PENTA A227162 - PORT DIESEL ENGINE

Sample No: VPA059474

Oil Type: DIESEL ENGINE OIL SAE 15W40

| Sample Number    |          | VPA059474    | <br> |  |
|------------------|----------|--------------|------|--|
| Sample Date      |          | 24 Jan 2024  | <br> |  |
| Machine Hours    |          | 528          | <br> |  |
| Oil Hours        |          | 0            | <br> |  |
| Oil Changed      |          | N/A          | <br> |  |
| Sample Status    |          | NORMAL       | <br> |  |
| OIL CONDITION    |          |              |      |  |
| Visc @ 100°C     | cSt      | <b>14.00</b> | <br> |  |
| Base Number (BN) | mg KOH/g | 8.6          | <br> |  |
| Oxidation (PA)   | %        | 53           | <br> |  |
| CONTAMINATION    |          |              |      |  |
| Water            | %        | NEG          | <br> |  |
| Soot %           | %        | 0.1          | <br> |  |
| Nitration (PA)   | %        | 41           | <br> |  |
| Sulfation (PA)   | %        | 48           | <br> |  |
| Glycol           | %        | NEG          | <br> |  |
| Fuel             | %        | <1.0         | <br> |  |
| Silicon          | ppm      | 4            | <br> |  |
| Sodium           | ppm      | 3            | <br> |  |
| Potassium        | ppm      | 0            | <br> |  |
| WEAR METALS      |          |              |      |  |
| Iron             | ppm      | 37           | <br> |  |
| Copper           | ppm      | 7            | <br> |  |
| Lead             | ppm      | 3            | <br> |  |
| Tin              | ppm      | <b>  </b> <1 | <br> |  |
| Aluminum         | ppm      | <b>12</b>    | <br> |  |
| Chromium         | ppm      | 2            | <br> |  |
| Molybdenum       | ppm      | 54           | <br> |  |
| Nickel           | ppm      | 0            | <br> |  |
| Titanium         | ppm      | 0            | <br> |  |
| Silver           | ppm      | 0            | <br> |  |
| Manganese        | ppm      | <b>■</b> <1  | <br> |  |
| Vanadium         | ppm      | 0            | <br> |  |
| ADDITIVES        |          |              |      |  |
| Calcium          | ppm      | 947          | <br> |  |
| Magnesium        | ppm      | 916          | <br> |  |
| Zinc             | ppm      | 1159         | <br> |  |
| Phosphorus       | ppm      | 999          | <br> |  |
| Barium           | ppm      | ■ <1         | <br> |  |
| Boron            | ppm      | <b>1</b>     | <br> |  |

#### SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6 SARASOTA, FL US 34240 Contact: SERVICE MANAGER info@suncoastdmi.com T: (941)342-0033 F:

### 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 condition of the oil is acceptable for the time in service.

 Depot:
 VP705283

 Unique No:
 10847558

 Signed:
 Doug Bogart

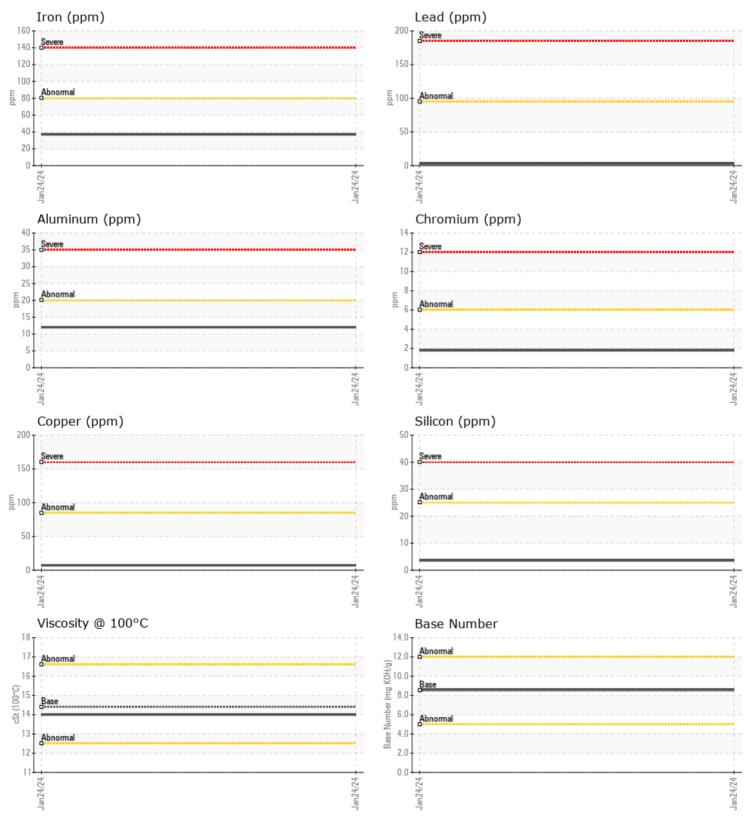
 Report Date:
 25 Jan 2024

Contact/Location: SERVICE MANAGER - VP705283

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP705283 [WUSCAR] 06070881 (Generated: 01/25/2024 16:36:06) Rev: 1

Contact/Location: SERVICE MANAGER - VP705283