## **OIL ANALYSIS REPORT**

## GEOFF/502584 VOLVO PENTA 3200000029 - PORT IPS

Sample No: VPA059033

Oil Type: VOLVO PENTA GL-5 SAE 75W90

|               |            |             |   |      | _                                       |
|---------------|------------|-------------|---|------|---|
| SAMPLE INFORM | ATION      |             |   |      |   |
| Sample Number |            | VPA059033   |   | <br> | -                                       |
| Sample Date   |            | 29 Nov 2023 |   | <br> | Endor Marine LLC - Coastal Marine - 152 |
| Machine Hours |            | 398         |   | <br> | 4300 11th Ave. NW                       |
| Oil Hours     |            | 157         |   | <br> | SEATTLE, WA                             |
| Oil Changed   |            | Changed     |   | <br> | US 98107                                |
| Sample Status |            | NORMAL      |   | <br> | Contact: WILLOW YANARELLA               |
| •             |            |             | _ | <br> | service@coastalmarineengine.com         |
| OIL CONDITION |            |             |   |      | T: (206)784-3703                        |
| Visc @ 40°C   | cSt        | <b>106</b>  |   | <br> | F: (206)784-8823                        |
| CONTAMINATION | J          |             |   |      | Diagnosis                               |
| CONTRUMENTION |            |             |   |      | Resample at the next service interv     |
| Water         | %          | NEG         |   | <br> | to monitor.All component wear rat       |
| Silicon       | ppm        | <1          |   | <br> | are normal. There is no indication of   |
| Sodium        | ppm        | <b>1</b>    |   | <br> | any contamination in the oil. The       |
| Potassium     | ppm        | ∎1          |   | <br> | condition of the oil is acceptable for  |
| WEAR METALS   |            | □ 14        |   | <br> |   |
| Iron          | 0000       | 49          |   |      |   |
| Copper        | ppm        | 49          |   | <br> |   |
| Lead          | ppm        | 4           |   | <br> |   |
| Tin           | ppm<br>ppm | <1          |   | <br> |   |
| Aluminum      | ppm        | 1           |   | <br> |   |
| Chromium      | ppm        | <1          |   | <br> |   |
| Molybdenum    | ppm        | 0           |   | <br> |   |
| Nickel        | ppm        | <b>□</b> <1 |   | <br> |   |
| Titanium      | ppm        | 0           |   | <br> |   |
| Silver        | ppm        | 0           |   | <br> |   |
| Manganese     | ppm        | ■<1         |   | <br> |   |
| Vanadium      | ppm        | 0           |   | <br> |   |
| ADDITIVES     |            |             |   |      |   |
| Calcium       | ppm        | 7           |   | <br> |   |
| Magnesium     | ppm        | 2           |   | <br> |   |
| Zinc          | ppm        | 3           |   | <br> |   |
| Phosphorus    | ppm        | <b>1560</b> |   | <br> |   |
| Barium        | ppm        | 0           |   | <br> |   |
| Boron         | ppm        | 329         |   | <br> |   |

Report Date: 05 Dec 2023 Contact/Location: WILLOW YANARELLA - VP794951

VP794951

10767271

Sean Felton

Depot:

Signed:

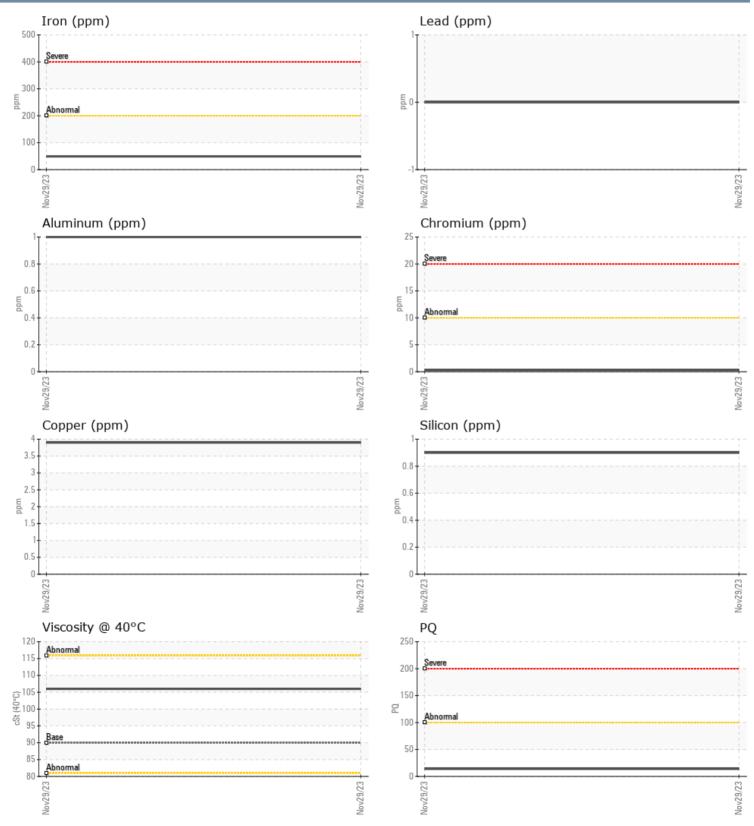
Unique No:



## **OIL ANALYSIS REPORT**



## GRAPHS



Report Id: VP794951 [WUSCAR] 06022771 (Generated: 12/08/2023 16:49:45) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951