## **OIL ANALYSIS REPORT**

### FERNANDO SANCHO GEOFF/502475 VOLVO PENTA 50250726172 - INBOARD - CENTER GEARBOX

Sample No: VPA059019

Oil Type: VOLVO PENTA GL-5 SAE 75W90

| SAMPLE INFORM |      |             |             |      |
|---------------|------|-------------|-------------|------|
|               |      |             |             |      |
| Sample Number |      | VPA059019   | VPA043324   | <br> |
| Sample Date   |      | 31 Oct 2023 | 03 Jan 2023 | <br> |
| Machine Hours |      | 0           | 0           | <br> |
| Oil Hours     |      | 0           | 0           | <br> |
| Oil Changed   |      | Not Changd  | N/A         | <br> |
| Sample Status |      | NORMAL      | NORMAL      | <br> |
| OIL CONDITION |      |             |             |      |
| Visc @ 40°C   | cSt  | 72.0        | 70.5        | <br> |
|               |      |             |             |      |
| CONTAMINATION |      |             |             |      |
| Silicon       | ppm  | 12          | 8           | <br> |
| Sodium        | ppm  | <b>1</b> 1  | 26          | <br> |
| Potassium     | ppm  | 0           | 1           | <br> |
|               | 22.0 |             |             | <br> |
| WEAR METALS   |      |             |             |      |
| PQ            |      | <b>1</b> 4  | □11         | <br> |
| Iron          | ppm  | <b>1</b> 1  | 25          | <br> |
| Copper        | ppm  | 6           | 58          | <br> |
| Lead          | ppm  | 0           | 2           | <br> |
| Tin           | ppm  | 0           | <1          | <br> |
| Aluminum      | ppm  | 2           | 5           | <br> |
| Chromium      | ppm  | 0           | <1          | <br> |
| Molybdenum    | ppm  | 57          | 5           | <br> |
| Nickel        | ppm  | 0           | □ <1        | <br> |
| Titanium      | ppm  | <1          | <1          | <br> |
| Silver        | ppm  | 0           | 0           | <br> |
| Manganese     | ppm  | 0           | <1          | <br> |
| Vanadium      | ppm  | 0           | 0           | <br> |
|               |      |             |             |      |
| ADDITIVES     |      |             |             |      |
| Calcium       | ppm  | <b>1030</b> | 1479        | <br> |
| Magnesium     | ppm  | 862         | 684         | <br> |
| Zinc          | ppm  | 1072        | 810         | <br> |
| Phosphorus    | ppm  | 982         | 743         | <br> |
| Barium        | ppm  | 0           | 0           | <br> |
| Boron         | ppm  | 5           | 104         | <br> |
|               |      |             |             |      |

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

| Depot:       | VP794951      |  |  |
|--------------|---------------|--|--|
| Unique No:   | 10726642      |  |  |
| Signed:      | Don Baldridge |  |  |
| Report Date: | 06 Nov 2023   |  |  |

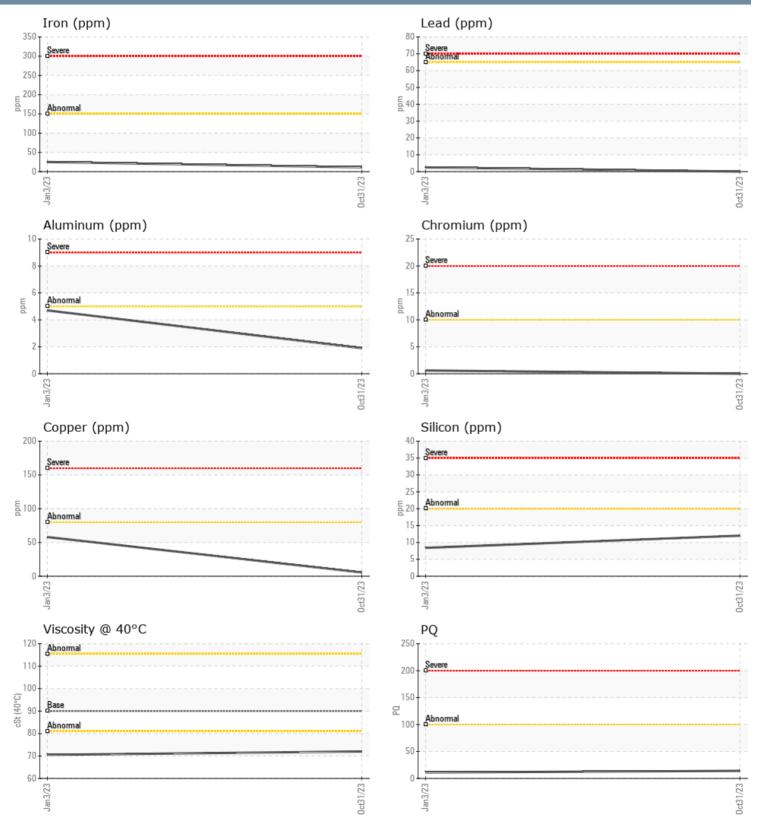
Contact/Location: WILLOW YANARELLA - VP794951



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#### GRAPHS



Contact/Location: WILLOW YANARELLA - VP794951