

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 2006014075 - PORT DIESEL ENGINE

Sample No: VPA041683

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA041683   | --- | --- | --- |
| Sample Date   | 20 Oct 2023 | --- | --- | --- |
| Machine Hours | 1390        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

### JON DIESEL LLC

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### OIL CONDITION

|                  |          |        |     |     |     |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C     | cSt      | █ 13.4 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 9.5  | --- | --- | --- |
| Oxidation (PA)   | %        | 56     | --- | --- | --- |

### 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.

### CONTAMINATION

|                |     |       |     |     |     |
|----------------|-----|-------|-----|-----|-----|
| Soot %         | %   | █ 0.1 | --- | --- | --- |
| Nitration (PA) | %   | 50    | --- | --- | --- |
| Sulfation (PA) | %   | 51    | --- | --- | --- |
| Glycol         | %   | NEG   | --- | --- | --- |
| Fuel           | %   | < 1.0 | --- | --- | --- |
| Silicon        | ppm | █ 3   | --- | --- | --- |
| Sodium         | ppm | █ 2   | --- | --- | --- |
| Potassium      | ppm | █ 4   | --- | --- | --- |

### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | █ 3   | --- | --- | --- |
| Copper     | ppm | █ 1   | --- | --- | --- |
| Lead       | ppm | █ < 1 | --- | --- | --- |
| Tin        | ppm | █ 0   | --- | --- | --- |
| Aluminum   | ppm | █ 1   | --- | --- | --- |
| Chromium   | ppm | █ 0   | --- | --- | --- |
| Molybdenum | ppm | █ 57  | --- | --- | --- |
| Nickel     | ppm | █ 0   | --- | --- | --- |
| Titanium   | ppm | █ 0   | --- | --- | --- |
| Silver     | ppm | █ 0   | --- | --- | --- |
| Manganese  | ppm | 0     | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |

### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 997  | --- | --- | --- |
| Magnesium  | ppm | █ 992  | --- | --- | --- |
| Zinc       | ppm | █ 1351 | --- | --- | --- |
| Phosphorus | ppm | █ 1087 | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 0    | --- | --- | --- |

Depot: VPJONMYA  
Unique No: 10709781  
Signed: Angela Borella  
Report Date: 25 Oct 2023

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## GRAPHS

