

OIL ANALYSIS REPORT

VOLVO PENTA

JEFF SALISBURY CHAPTER 3 VOLVO PENTA 3940023224 - PORT IPS

Sample No: VPA036193
Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VPA036193 | VPA025202 | VPA034900 | --- |
| Sample Date | 29 Nov 2023 | 01 Sep 2021 | 04 Sep 2020 | --- |
| Machine Hours | 412 | 331 | 267 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Not Changd | Changed | Not Changd | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-------|-----|
| Visc @ 40°C | cSt | 105 | 100 | 101.7 | --- |
|-------------|-----|------------|-----|-------|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 8 | 14 | 21 | --- |
| Sodium | ppm | 6 | 10 | 5 | --- |
| Potassium | ppm | 0 | 2 | 0 | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

WEAR METALS

| | | | | | |
|------------|-----|-----------|-----|-----|-----|
| PQ | | 17 | 36 | 24 | --- |
| Iron | ppm | 34 | 182 | 114 | --- |
| Copper | ppm | 3 | 15 | 10 | --- |
| Lead | ppm | 0 | 1 | 0 | --- |
| Tin | ppm | 0 | <1 | 0 | --- |
| Aluminum | ppm | 0 | 2 | 2 | --- |
| Chromium | ppm | 0 | 2 | 2 | --- |
| Molybdenum | ppm | 0 | 1 | 0 | --- |
| Nickel | ppm | 0 | 2 | 1 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | 0 | <1 | 0 | --- |
| Manganese | ppm | 1 | 6 | 3 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |

ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 3 | 15 | 10 | --- |
| Magnesium | ppm | 2 | 96 | 110 | --- |
| Zinc | ppm | 5 | 48 | 13 | --- |
| Phosphorus | ppm | 1396 | 1397 | 1379 | --- |
| Barium | ppm | 0 | 0 | <1 | --- |
| Boron | ppm | 328 | 279 | 311 | --- |

Depot: VP288530
Unique No: 10776549
Signed: Don Baldrige
Report Date: 08 Dec 2023

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**VOLVO
PENTA**

GRAPHS

