

OIL ANALYSIS REPORT

VOLVO PENTA

DEAN HOLMES PATRICK/502464-7000 VOLVO PENTA 3950003272 - PORT IPS

Sample No: VPA059045
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VPA059045 | VPA036007 | --- | --- |
| Sample Date | 15 Nov 2023 | 09 Sep 2021 | --- | --- |
| Machine Hours | 508 | 310 | --- | --- |
| Oil Hours | 0 | 10 | --- | --- |
| Oil Changed | Changed | N/A | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | █ 105 | █ 108 | --- | --- |
|-------------|-----|-------|-------|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 3 | 1 | --- | --- |
| Sodium | ppm | █ 27 | █ <1 | --- | --- |
| Potassium | ppm | █ 3 | █ 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 oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

| | | | | | |
|------------|-----|-------|------|-----|-----|
| PQ | | █ 18 | █ 19 | --- | --- |
| Iron | ppm | █ 138 | █ 10 | --- | --- |
| Copper | ppm | 8 | 1 | --- | --- |
| Lead | ppm | <1 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 4 | 6 | --- | --- |
| Chromium | ppm | █ 1 | █ 0 | --- | --- |
| Molybdenum | ppm | █ <1 | <1 | --- | --- |
| Nickel | ppm | █ 2 | █ 0 | --- | --- |
| Titanium | ppm | <1 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | █ 6 | <1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|------|-----|-----|
| Calcium | ppm | █ 12 | 5 | --- | --- |
| Magnesium | ppm | █ 11 | 11 | --- | --- |
| Zinc | ppm | █ 50 | 1 | --- | --- |
| Phosphorus | ppm | █ 1312 | 1428 | --- | --- |
| Barium | ppm | █ 0 | 0 | --- | --- |
| Boron | ppm | █ 340 | 283 | --- | --- |

Depot: VP794951
Unique No: 10751862
Signed: Jonathan Hester
Report Date: 22 Nov 2023

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GRAPHS

