

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3950004168 - PORT IPS

Sample No: VPA020715

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA020715 | --- | --- | --- |
| Sample Date | 22 Aug 2023 | --- | --- | --- |
| Machine Hours | 6000 | --- | --- | --- |
| Oil Hours | 500 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 102 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | ■ 2 | --- | --- | --- |
| Sodium | ppm | ■ 7 | --- | --- | --- |
| Potassium | ppm | ■ 6 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| PQ | | ■ 38 | --- | --- | --- |
| Iron | ppm | ▲ 272 | --- | --- | --- |
| Copper | ppm | ■ 8 | --- | --- | --- |
| Lead | ppm | ■ 0 | --- | --- | --- |
| Tin | ppm | ■ 0 | --- | --- | --- |
| Aluminum | ppm | ■ 5 | --- | --- | --- |
| Chromium | ppm | ■ 2 | --- | --- | --- |
| Molybdenum | ppm | ■ <1 | --- | --- | --- |
| Nickel | ppm | ■ 3 | --- | --- | --- |
| Titanium | ppm | ■ 0 | --- | --- | --- |
| Silver | ppm | ■ 0 | --- | --- | --- |
| Manganese | ppm | ■ 4 | --- | --- | --- |
| Vanadium | ppm | ■ 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 3 | --- | --- | --- |
| Magnesium | ppm | ■ 28 | --- | --- | --- |
| Zinc | ppm | ■ <1 | --- | --- | --- |
| Phosphorus | ppm | ■ 1374 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 349 | --- | --- | --- |

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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VPCHACHA
Unique No: 10629923
Signed: Sean Felton
Report Date: 01 Sep 2023

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**VOLVO
PENTA**

GRAPHS

