

OIL ANALYSIS REPORT

**VOLVO
PENTA**

DENNIS WOODS 7719103 VOLVO PENTA 3020317240 - STERNDRIVE - PORT GEARBOX

Sample No: VPA055135

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA055135 | --- | --- | --- |
| Sample Date | 26 Mar 2024 | --- | --- | --- |
| Machine Hours | 334 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

Pacific Power Group - VP981534

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US 98032

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OIL CONDITION

| | | | | | |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 96.9 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | ▲ 23 | --- | --- | --- |
| Sodium | ppm | ■ 7 | --- | --- | --- |
| Potassium | ppm | ■ 9 | --- | --- | --- |

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. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| PQ | | ■ 22 | --- | --- | --- |
| Iron | ppm | ■ 74 | --- | --- | --- |
| Copper | ppm | ■ 1 | --- | --- | --- |
| Lead | ppm | ■ 0 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ 3 | --- | --- | --- |
| Chromium | ppm | ■ 2 | --- | --- | --- |
| Molybdenum | ppm | ■ 0 | --- | --- | --- |
| Nickel | ppm | ■ 4 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ■ 13 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 28 | --- | --- | --- |
| Magnesium | ppm | ■ 940 | --- | --- | --- |
| Zinc | ppm | ■ 9 | --- | --- | --- |
| Phosphorus | ppm | ■ 1534 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 612 | --- | --- | --- |

Depot: VP99031103

Unique No: 10956446

Signed: Sean Felton

Report Date: 05 Apr 2024

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GRAPHS

