

OIL ANALYSIS REPORT

VOLVO PENTA

BOB FARRIS 505661 VOLVO PENTA 3940016431 - STARBOARD IPS

Sample No: VPA059666

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VPA059666 | VPA042765 | --- | --- |
| Sample Date | 01 Dec 2023 | 13 Dec 2022 | --- | --- |
| Machine Hours | 545 | 508 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 109 | 106 | --- | --- |
|-------------|-----|------------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 5 | 9 | --- | --- |
| Sodium | ppm | 2 | 1 | --- | --- |
| Potassium | ppm | 0 | 2 | --- | --- |

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 | | 64 | 8 | --- | --- |
| Iron | ppm | 32 | 44 | --- | --- |
| Copper | ppm | 3 | 5 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 0 | 0 | --- | --- |
| Chromium | ppm | 0 | <1 | --- | --- |
| Molybdenum | ppm | 0 | <1 | --- | --- |
| Nickel | ppm | 0 | <1 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | <1 | 2 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 8 | 13 | --- | --- |
| Magnesium | ppm | 0 | 0 | --- | --- |
| Zinc | ppm | 4 | 7 | --- | --- |
| Phosphorus | ppm | 1352 | 1309 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 327 | 294 | --- | --- |

Depot: VP297371

Unique No: 10776552

Signed: Don Baldrige

Report Date: 08 Dec 2023

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GRAPHS

