

# OIL ANALYSIS REPORT

# VOLVO PENTA

## PHIL HOLT VOLVO PENTA VOLVO PENTA DPH-C - PHIL HOLT - STERNDRIVE (S/N NOT GIVEN) - STARBOARD GEARBOX

**Sample No:** VPA056426  
**Oil Type:** GEAR OIL SAE 75W90

### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA056426   | --- | --- | --- |
| Sample Date   | 20 Jul 2023 | --- | --- | --- |
| Machine Hours | 5106        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

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### OIL CONDITION

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

### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | █ 3  | --- | --- | --- |
| Sodium    | ppm | █ 16 | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |

### 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         |     | █ 17 | --- | --- | --- |
| Iron       | ppm | █ 19 | --- | --- | --- |
| Copper     | ppm | █ <1 | --- | --- | --- |
| Lead       | ppm | █ 0  | --- | --- | --- |
| Tin        | ppm | █ 0  | --- | --- | --- |
| Aluminum   | ppm | █ 2  | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 0  | --- | --- | --- |
| Nickel     | ppm | █ 2  | --- | --- | --- |
| Titanium   | ppm | █ 0  | --- | --- | --- |
| Silver     | ppm | █ 0  | --- | --- | --- |
| Manganese  | ppm | █ <1 | --- | --- | --- |
| Vanadium   | ppm | █ 0  | --- | --- | --- |

### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 2    | --- | --- | --- |
| Magnesium  | ppm | █ 3    | --- | --- | --- |
| Zinc       | ppm | █ 29   | --- | --- | --- |
| Phosphorus | ppm | █ 1441 | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 324  | --- | --- | --- |

**Depot:** VP794951  
**Unique No:** 10575812  
**Signed:** Don Baldrige  
**Report Date:** 30 Jul 2023

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## GRAPHS

