

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## PODOLSKY VOLVO PENTA PODOLSKY (S/N NOT GIVEN) - STARBOARD IPS

**Sample No:** VPA057116  
**Oil Type:** GEAR OIL SAE 75W90

### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA057116   | --- | --- | --- |
| Sample Date   | 26 Nov 2023 | --- | --- | --- |
| Machine Hours | 0           | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |

**BAY MARINE**  
3 E MADISON ST  
WAUKEGAN, IL  
US 60085  
Contact: BRENDAN COWHEY  
brendan@baymarine.net  
T: (847)336-2628  
F:

### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 105 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | --- | --- | --- |
| Silicon   | ppm | 10  | --- | --- | --- |
| Sodium    | ppm | ■ 2 | --- | --- | --- |
| Potassium | ppm | ■ 0 | --- | --- | --- |

### Diagnosis

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 suitable for further service.

### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| PQ         |     | ■ 9   | --- | --- | --- |
| Iron       | ppm | ▲ 230 | --- | --- | --- |
| Copper     | ppm | ■ 13  | --- | --- | --- |
| Lead       | ppm | 0     | --- | --- | --- |
| Tin        | ppm | 0     | --- | --- | --- |
| Aluminum   | ppm | 1     | --- | --- | --- |
| Chromium   | ppm | ■ 1   | --- | --- | --- |
| Molybdenum | ppm | ■ 0   | --- | --- | --- |
| Nickel     | ppm | ■ 1   | --- | --- | --- |
| Titanium   | ppm | 0     | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | ■ 2   | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |

### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ■ 3    | --- | --- | --- |
| Magnesium  | ppm | ■ 4    | --- | --- | --- |
| Zinc       | ppm | ■ 29   | --- | --- | --- |
| Phosphorus | ppm | ■ 1380 | --- | --- | --- |
| Barium     | ppm | ■ 0    | --- | --- | --- |
| Boron      | ppm | ■ 266  | --- | --- | --- |

**Depot:** VP1174336  
**Unique No:** 10762945  
**Signed:** Sean Felton  
**Report Date:** 29 Nov 2023

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## GRAPHS

