

OIL ANALYSIS REPORT



WINDSERVE JOURNEY VOLVO PENTA 3950010410 - INBOARD 4 - STARBOARD IPS

Sample No: VPA057207
Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VPA057207 | VPA036218 | VPA057226 | --- |
| Sample Date | 10 May 2024 | 08 Apr 2024 | 21 Mar 2024 | --- |
| Machine Hours | 829 | 477 | 363 | --- |
| Oil Hours | 829 | 477 | 0 | --- |
| Oil Changed | Changed | Changed | N/A | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

WINDSERVE MARINE
 10 MACNAUGHT ST
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 US 02852
 Contact: Ryan Linn
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 T:
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OIL CONDITION

| | | | | | |
|-------------|-----|------------|------|------|-----|
| Visc @ 40°C | cSt | 101 | 97.7 | 97.7 | --- |
|-------------|-----|------------|------|------|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 3 | 8 | 7 | --- |
| Sodium | ppm | 2 | 4 | 4 | --- |
| Potassium | ppm | 2 | 8 | 6 | --- |

Diagnosis

No corrective action is recommended at this time. 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 | | 21 | 26 | 19 | --- |
| Iron | ppm | 50 | 66 | 64 | --- |
| Copper | ppm | 2 | 6 | 5 | --- |
| Lead | ppm | 0 | 1 | 0 | --- |
| Tin | ppm | <1 | 1 | 0 | --- |
| Aluminum | ppm | <1 | 2 | <1 | --- |
| Chromium | ppm | 0 | 1 | 0 | --- |
| Molybdenum | ppm | 0 | 1 | 0 | --- |
| Nickel | ppm | 0 | 2 | 0 | --- |
| Titanium | ppm | 0 | <1 | 0 | --- |
| Silver | ppm | 0 | <1 | 0 | --- |
| Manganese | ppm | 2 | 6 | 6 | --- |
| Vanadium | ppm | 0 | <1 | 0 | --- |

ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 14 | 41 | 43 | --- |
| Magnesium | ppm | 256 | 822 | 972 | --- |
| Zinc | ppm | 7 | 18 | 13 | --- |
| Phosphorus | ppm | 1515 | 1804 | 1808 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 401 | 625 | 612 | --- |

Depot: VPSENNOR
Unique No: 11044754
Signed: Sean Felton
Report Date: 24 May 2024

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GRAPHS

