

OIL ANALYSIS REPORT

VOLVO PENTA

BOROCHANER VOLVO PENTA 3940016288 - STARBOARD IPS

Sample No: VPA051009

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA051009 | --- | --- | --- |
| Sample Date | 15 Feb 2024 | --- | --- | --- |
| Machine Hours | 731 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

OIL CONDITION

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

CONTAMINATION

| | | | | | |
|-----------|-----|---------|-----|-----|-----|
| Water | % | ▲ 0.374 | --- | --- | --- |
| Silicon | ppm | 14 | --- | --- | --- |
| Sodium | ppm | █ 19 | --- | --- | --- |
| Potassium | ppm | █ 2 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| PQ | | █ 29 | --- | --- | --- |
| Iron | ppm | ▲ 247 | --- | --- | --- |
| Copper | ppm | █ 19 | --- | --- | --- |
| Lead | ppm | 0 | --- | --- | --- |
| Tin | ppm | 0 | --- | --- | --- |
| Aluminum | ppm | 6 | --- | --- | --- |
| Chromium | ppm | █ 2 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel | ppm | █ 3 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 3 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 26 | --- | --- | --- |
| Magnesium | ppm | █ 15 | --- | --- | --- |
| Zinc | ppm | █ 41 | --- | --- | --- |
| Phosphorus | ppm | █ 1338 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 232 | --- | --- | --- |

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Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP1298996
Unique No: 10886596
Signed: Doug Bogart
Report Date: 20 Feb 2024

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GRAPHS

