

OIL ANALYSIS REPORT

VOLVO PENTA

FRANK 3711/GT50-01 VOLVO PENTA 3950003715 - STARBOARD IPS

Sample No: VPA058356

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VPA058356 | VPA041383 | --- | --- |
| Sample Date | 03 May 2024 | 23 Jan 2023 | --- | --- |
| Machine Hours | 1531 | 752 | --- | --- |
| Oil Hours | 0 | 200 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | ABNORMAL | --- | --- |

OIL CONDITION

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

CONTAMINATION

| | | | | | |
|-----------|-----|---------|-----|-----|-----|
| Water | % | █ 0.225 | NEG | --- | --- |
| Silicon | ppm | █ 2 | 4 | --- | --- |
| Sodium | ppm | █ 3 | █ 1 | --- | --- |
| Potassium | ppm | █ 0 | █ 2 | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|------|------|-----|-----|
| PQ | | █ 25 | █ 17 | --- | --- |
| Iron | ppm | █ 77 | █ 56 | --- | --- |
| Copper | ppm | █ 7 | 3 | --- | --- |
| Lead | ppm | █ 0 | 0 | --- | --- |
| Tin | ppm | <1 | 0 | --- | --- |
| Aluminum | ppm | <1 | <1 | --- | --- |
| Chromium | ppm | █ <1 | █ <1 | --- | --- |
| Molybdenum | ppm | █ 0 | █ <1 | --- | --- |
| Nickel | ppm | █ <1 | █ 0 | --- | --- |
| Titanium | ppm | █ 0 | 0 | --- | --- |
| Silver | ppm | █ 0 | 0 | --- | --- |
| Manganese | ppm | █ 3 | █ 2 | --- | --- |
| Vanadium | ppm | █ 0 | 0 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | █ 54 | █ 14 | --- | --- |
| Magnesium | ppm | █ 0 | █ 3 | --- | --- |
| Zinc | ppm | █ 21 | █ 10 | --- | --- |
| Phosphorus | ppm | █ 1384 | █ 1447 | --- | --- |
| Barium | ppm | █ 0 | █ 0 | --- | --- |
| Boron | ppm | █ 317 | █ 348 | --- | --- |

GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

Contact: ROBERT ANTONA

roberta@gbmarinegroup.com

T: (609)384-5290

F:

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP531377

Unique No: 11023556

Signed: Sean Felton

Report Date: 15 May 2024

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PENTA**

GRAPHS

