

OIL ANALYSIS REPORT

VOLVO PENTA

01230255 - STARBOARD DIESEL ENGINE

Sample No: VPA039479

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA039479 | --- | --- | --- |
| Sample Date | 28 Jun 2023 | --- | --- | --- |
| Machine Hours | 1661 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

G & B Sports Marine Ltd
2508 Lakeshore Road West
OAKVILLE, ON
CA L6L 1H8
Contact:

OIL CONDITION

| | | | | | |
|----------------|-----|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 15.0 | --- | --- | --- |
| Oxidation (PA) | % | 54 | --- | --- | --- |

T:
F:

CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Soot % | % | █ 0.1 | --- | --- | --- |
| Nitration (PA) | % | 63 | --- | --- | --- |
| Sulfation (PA) | % | 52 | --- | --- | --- |
| Glycol | % | █ 0.0 | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 10 | --- | --- | --- |
| Sodium | ppm | █ 48 | --- | --- | --- |
| Potassium | ppm | █ 8 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. 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

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 44 | --- | --- | --- |
| Copper | ppm | █ 40 | --- | --- | --- |
| Lead | ppm | █ 4 | --- | --- | --- |
| Tin | ppm | █ <1 | --- | --- | --- |
| Aluminum | ppm | █ 7 | --- | --- | --- |
| Chromium | ppm | █ 2 | --- | --- | --- |
| Molybdenum | ppm | █ 43 | --- | --- | --- |
| Nickel | ppm | █ 2 | --- | --- | --- |
| Titanium | ppm | █ <1 | --- | --- | --- |
| Silver | ppm | █ <1 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 2211 | --- | --- | --- |
| Magnesium | ppm | █ 77 | --- | --- | --- |
| Zinc | ppm | █ 971 | --- | --- | --- |
| Phosphorus | ppm | █ 887 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 149 | --- | --- | --- |

Depot: VP152550
Unique No: 5604226
Signed: Kevin Marson
Report Date: 29 Jun 2023

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GRAPHS

