

OIL ANALYSIS REPORT

VOLVO PENTA

20066022237 - STARBOARD DIESEL ENGINE

Sample No: VPA031377

Oil Type: SHELL ROTELLA T6 5W40

SAMPLE INFORMATION

Sample Number	VPA031377	---	---	---
Sample Date	04 Jun 2024	---	---	---
Machine Hours	935	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

GBCS - GEORGIAN BAY SERVICES

171-8 ROBERT ST EAST
PENETANGUISHENE, ON
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Contact: James Barrow
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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Oxidation (PA)	%	55	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 38	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 7	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	35	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1567	---	---	---
Magnesium	ppm	567	---	---	---
Zinc	ppm	█ 1136	---	---	---
Phosphorus	ppm	█ 988	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 57	---	---	---

Depot: GBCPEN

Unique No: 5789770

Signed: Kevin Marson

Report Date: 07 Jun 2024

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GRAPHS

