

OIL ANALYSIS REPORT

VOLVO PENTA

PAUL MATTEAUS NO UNIT VPA045967 - GENSET

Sample No: VPA045967

Oil Type: PETRO CANADA 15W40

SAMPLE INFORMATION

Sample Number	VPA045967	---	---	---
Sample Date	30 Mar 2023	---	---	---
Machine Hours	117	---	---	---
Oil Hours	117	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

NORTH WESTERN MARINE SERVICES LTD

3645 MOUNTAIN HWY
NORTH VANCOUVER, BC
CA V7K 2H7

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Oxidation (PA)	%	█ 68	---	---	---

CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 61	---	---	---
Sulfation (PA)	%	█ 61	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

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

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 1247	---	---	---
Magnesium	ppm	█ 664	---	---	---
Zinc	ppm	█ 819	---	---	---
Phosphorus	ppm	█ 770	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 43	---	---	---

Depot: VP533931
Unique No: 5555235
Signed: Kevin Marson
Report Date: 10 Apr 2023

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GRAPHS

