

OIL ANALYSIS REPORT

VOLVO PENTA

ARON SHEEHAN ARON SHEEHAN VOLVO PENTA 4012181230 - PORT DIESEL ENGINE

Sample No: VPA048733

Oil Type: VOLVO PENTA 10W40

SAMPLE INFORMATION

Sample Number	VPA048733	---	---	---
Sample Date	29 Jun 2023	---	---	---
Machine Hours	350	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	41	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	67	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 31	---	---	---
Sodium	ppm	▲ 418	---	---	---
Potassium	ppm	▲ 44	---	---	---

WEAR METALS

Iron	ppm	▲ 241	---	---	---
Copper	ppm	█ 48	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 69	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1160	---	---	---
Magnesium	ppm	█ 706	---	---	---
Zinc	ppm	█ 773	---	---	---
Phosphorus	ppm	█ 648	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 83	---	---	---

ADMIRALTY MARINE

2775 KURTZ ST, STE 12

SAN DIEGO, CA

US 92110

Contact: Terry Albee

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T:

F:

Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition. Cylinder, crank, or cam shaft wear is indicated. Sodium and/or potassium levels are high. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VP151529

Unique No: 10547675

Signed: Jonathan Hester

Report Date: 11 Jul 2023

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GRAPHS

