

OIL ANALYSIS REPORT

VOLVO PENTA

ARON SHEEHAN ARON SHEEHAN VOLVO PENTA 4012181229 - STARBOARD DIESEL ENGINE

Sample No: VPA048742

Oil Type: VOLVO PENTA 10W40

SAMPLE INFORMATION

Sample Number	VPA048742	---	---	---
Sample Date	29 Jun 2023	---	---	---
Machine Hours	350	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	40	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 38	---	---	---
Sodium	ppm	█ 74	---	---	---
Potassium	ppm	█ 6	---	---	---

WEAR METALS

Iron	ppm	▲ 150	---	---	---
Copper	ppm	█ 47	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 55	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 69	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1224	---	---	---
Magnesium	ppm	█ 573	---	---	---
Zinc	ppm	█ 813	---	---	---
Phosphorus	ppm	653	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 86	---	---	---

ADMIRALTY MARINE

2775 KURTZ ST, STE 12

SAN DIEGO, CA

US 92110

Contact: Terry Albee

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T:

F:

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Aluminum and iron ppm levels are abnormal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VP151529

Unique No: 10547676

Signed: Doug Bogart

Report Date: 09 Jul 2023

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GRAPHS

