

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA A31 1930 - STARBOARD DIESEL ENGINE

Sample No: VPA045512

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA045512	---	---	---
Sample Date	26 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Walstrom Marine

501 Bay Street
HARBOR SPRINGS, MI
US 49740
Contact: MARK LEWIS
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	14.64	---	---	---
Oxidation (PA)	%	63	---	---	---

CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	47	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	7	---	---	---

Diagnosis

No corrective action is recommended at this time. 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	4	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	3	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	2182	---	---	---
Magnesium	ppm	38	---	---	---
Zinc	ppm	1265	---	---	---
Phosphorus	ppm	1030	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	219	---	---	---

Depot: VP154879
Unique No: 10669203
Signed: Doug Bogart
Report Date: 27 Sep 2023

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GRAPHS

