

OIL ANALYSIS REPORT

VOLVO PENTA

ROBERT KADE VOLVO PENTA 4012058646 - STARBOARD GASOLINE ENGINE

Sample No: VPA055528

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA055528	---	---	---
Sample Date	25 Sep 2023	---	---	---
Machine Hours	556	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

MELBOURNE MARINE DIESEL

MELBOURNE, FL
US
Contact: SERVICE MANAGER
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T: (321)425-2517
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 5.3	---	---	---
Oxidation (PA)	%	14	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	9	---	---	---
Sulfation (PA)	%	11	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 53	---	---	---
Copper	ppm	█ 69	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	45	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1737	---	---	---
Magnesium	ppm	18	---	---	---
Zinc	ppm	793	---	---	---
Phosphorus	ppm	641	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	29	---	---	---

Depot: VP1222400
Unique No: 10662790
Signed: Doug Bogart
Report Date: 27 Sep 2023

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GRAPHS

