

OIL ANALYSIS REPORT

VOLVO PENTA

HORSMAN VOLVO PENTA 7008451635 - STARBOARD DIESEL ENGINE

Sample No: VPA035636
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA035636	---	---	---
Sample Date	15 Mar 2024	---	---	---
Machine Hours	431	---	---	---
Oil Hours	54	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

YACHT BASIN MARINA

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HOLLAND, MI
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OIL CONDITION

Visc @ 100°C	cSt	█ 15.5	---	---	---
Base Number (BN)	mg KOH/g	█ 6.7	---	---	---
Oxidation (PA)	%	63	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 1	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 8	---	---	---

WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 34	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2287	---	---	---
Magnesium	ppm	█ 34	---	---	---
Zinc	ppm	█ 1206	---	---	---
Phosphorus	ppm	█ 1043	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 158	---	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP718610
Unique No: 10937594
Signed: Don Baldrige
Report Date: 22 Mar 2024

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GRAPHS

