

OIL ANALYSIS REPORT

VOLVO PENTA

JOHN HUTSELL DANE 502577 VOLVO PENTA A530467 - CENTER DIESEL ENGINE

Sample No: VPA060513

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA060513	---	---	---
Sample Date	04 Mar 2024	---	---	---
Machine Hours	586	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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SEATTLE, WA
US 98107
Contact: WILLOW YANARELLA
service@coastalmarineengine.com
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F: (206)784-8823

OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.2	---	---	---
Oxidation (PA)	%	61	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	67	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 16	---	---	---

WEAR METALS

Iron	ppm	● 149	---	---	---
Copper	ppm	█ 21	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	█ 10	---	---	---
Molybdenum	ppm	█ 62	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1049	---	---	---
Magnesium	ppm	█ 965	---	---	---
Zinc	ppm	█ 1263	---	---	---
Phosphorus	ppm	█ 1069	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Cylinder, crank, or cam shaft wear is indicated. All other 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: VP794951
Unique No: 10925646
Signed: Don Baldrige
Report Date: 14 Mar 2024

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GRAPHS

