

OIL ANALYSIS REPORT

VOLVO PENTA

CITY OF LOUISVILLE R103008630 VOLVO PENTA 2016144333 - INDUSTRIAL ENGINE-GENERATOR - DIESEL ENGINE

Sample No: VPA055462

Oil Type: VOLVO PENTA

SAMPLE INFORMATION

Sample Number	VPA055462	---	---	---
Sample Date	26 Oct 2023	---	---	---
Machine Hours	42	---	---	---
Oil Hours	42	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

WESTERN BRANCH - VP530168

1616 METRIC AVE SW

CANTON, OH

US 44706

Contact: RUSTY CRONK

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	53	---	---	---

Diagnosis

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.

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 5	---	---	---

WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 12	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1349	---	---	---
Magnesium	ppm	█ 644	---	---	---
Zinc	ppm	█ 1207	---	---	---
Phosphorus	ppm	█ 1037	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 159	---	---	---

Depot: VP410898

Unique No: 10723694

Signed: Don Baldrige

Report Date: 02 Nov 2023

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GRAPHS

