

OIL ANALYSIS REPORT

VOLVO PENTA

UNIQUE PAVING R103008245 VOLVO PENTA 7005353827 - VARIABLE SPEED - DIESEL ENGINE

Sample No: VPA055448

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA055448	VPA046534	---	---
Sample Date	12 Jul 2023	06 Oct 2022	---	---
Machine Hours	743	437	---	---
Oil Hours	0	333	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

WESTERN BRANCH - VP530168

1616 METRIC AVE SW

CANTON, OH

US 44706

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 9.7	█ 10.5	---	---
Oxidation (PA)	%	60	65	---	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	55	61	---	---
Sulfation (PA)	%	53	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 18	█ 16	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ 3	█ 0	---	---

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 suitable for further service.

WEAR METALS

Iron	ppm	█ 7	█ 8	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 61	█ 52	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1161	█ 1332	---	---
Magnesium	ppm	█ 902	█ 812	---	---
Zinc	ppm	█ 1220	█ 1256	---	---
Phosphorus	ppm	█ 1059	█ 1057	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 9	█ 25	---	---

Depot: VP410898

Unique No: 10561115

Signed: Don Baldrige

Report Date: 18 Jul 2023

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GRAPHS

