

OIL ANALYSIS REPORT

VOLVO PENTA

DARRYL THOMAS 7717048 VOLVO PENTA A1051009 - STARBOARD DIESEL ENGINE

Sample No: VPA036238

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA036238	---	---	---
Sample Date	03 Oct 2023	---	---	---
Machine Hours	276	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Pacific Power Group - VP981534

7215 S 228th St

Kent, WA

US 98032

Contact: PAT RYAN

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	62	---	---	---

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 %	%	█ 0.6	---	---	---
Nitration (PA)	%	60	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 18	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 103	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1377	---	---	---
Magnesium	ppm	█ 756	---	---	---
Zinc	ppm	█ 935	---	---	---
Phosphorus	ppm	658	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 248	---	---	---

Depot: VP99031103

Unique No: 10711577

Signed: Sean Felton

Report Date: 27 Oct 2023

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GRAPHS

