

OIL ANALYSIS REPORT

VOLVO PENTA

LARRY SPILLANE MATTHEW DOW VOLVO PENTA 7008515006 - PORT DIESEL ENGINE

Sample No: VPA060801

Oil Type: VALVOLINE PREMIUM BLUE

SAMPLE INFORMATION

Sample Number	VPA060801	VPA043334	---	---
Sample Date	12 Oct 2023	03 Oct 2022	---	---
Machine Hours	138	85	---	---
Oil Hours	53	57	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	14.3	14.1	---	---
Base Number (BN)	mg KOH/g	9.1	10.8	---	---
Oxidation (PA)	%	70	70	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.3	---	---
Nitration (PA)	%	63	64	---	---
Sulfation (PA)	%	57	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	10	12	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	0	0	---	---

WEAR METALS

Iron	ppm	8	11	---	---
Copper	ppm	44	37	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	45	51	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1127	1474	---	---
Magnesium	ppm	798	615	---	---
Zinc	ppm	900	1104	---	---
Phosphorus	ppm	695	945	---	---
Barium	ppm	0	0	---	---
Boron	ppm	41	90	---	---

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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.

Depot: VP443016
Unique No: 10742631
Signed: Sean Felton
Report Date: 16 Nov 2023

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GRAPHS

