

OIL ANALYSIS REPORT



MEYERHARDT MURRAY VOLVO PENTA 70112005048 - PORT DIESEL ENGINE

Sample No: VPA058304
Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA058304	VPA041959	---	---
Sample Date	23 Feb 2024	16 Nov 2022	---	---
Machine Hours	0	158	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 12.5	---	---
Base Number (BN)	mg KOH/g	█ 10.1	█ 11.0	---	---
Oxidation (PA)	%	53	61	---	---

Diagnosis

No corrective action is recommended at this time. 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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	36	50	---	---
Sulfation (PA)	%	49	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 7	█ 17	---	---
Sodium	ppm	█ <1	█ 0	---	---
Potassium	ppm	█ 2	█ 3	---	---

WEAR METALS

Iron	ppm	█ <1	█ 6	---	---
Copper	ppm	█ 2	█ 39	---	---
Lead	ppm	█ 1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 1	█ <1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 57	█ 62	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 936	█ 1090	---	---
Magnesium	ppm	█ 900	█ 925	---	---
Zinc	ppm	█ 1206	█ 1223	---	---
Phosphorus	ppm	█ 1066	█ 1041	---	---
Barium	ppm	█ 0	█ 2	---	---
Boron	ppm	█ 7	█ 1	---	---

Depot: VP867279
Unique No: 10898859
Signed: Doug Bogart
Report Date: 26 Feb 2024

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GRAPHS

