

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MORARIS CUMMINS 35148279 - PORT DIESEL ENGINE

Sample No: VPA058141
Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA058141	---	---	---
Sample Date	07 Nov 2023	---	---	---
Machine Hours	783	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	67	---	---	---

CONTAMINATION

Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 84	---	---	---
Copper	ppm	█ 64	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 94	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1542	---	---	---
Magnesium	ppm	█ 597	---	---	---
Zinc	ppm	█ 1009	---	---	---
Phosphorus	ppm	798	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 239	---	---	---

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Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: VP1174336
Unique No: 10741851
Signed: Sean Felton
Report Date: 16 Nov 2023

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GRAPHS

