

OIL ANALYSIS REPORT

VOLVO PENTA

JRM ED9503 - CENTER DIESEL ENGINE

Sample No: VPA028730
Oil Type: SHELL 15W40

SAMPLE INFORMATION

Sample Number	VPA028730	---	---	---
Sample Date	31 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.3	---	---	---
Oxidation (PA)	%	41	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	40	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	▲ 69	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 19	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2421	---	---	---
Magnesium	ppm	█ 18	---	---	---
Zinc	ppm	█ 1050	---	---	---
Phosphorus	ppm	█ 876	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 86	---	---	---

The Talaria Company

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Diagnosis

Oil and filter change at the time of sampling has been noted. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VP592286
Unique No: 10751219
Signed: Angela Borella
Report Date: 21 Nov 2023

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GRAPHS

