

OIL ANALYSIS REPORT



SCOTT PITASKY PATRICK/502590-5750 ONAN A200712195 - GENSET

Sample No: VPA059209
Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION

Sample Number	VPA059209	VPA037130	---	---
Sample Date	03 Jan 2024	17 Jan 2022	---	---
Machine Hours	671	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 13.9	---	---
Base Number (BN)	mg KOH/g	█ 8.7	█ 9.3	---	---
Oxidation (PA)	%	64	54	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	64	58	---	---
Sulfation (PA)	%	57	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 7	█ 5	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ 3	█ 2	---	---

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.

WEAR METALS

Iron	ppm	█ 6	█ 0	---	---
Copper	ppm	█ 2	█ 1	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 3	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 76	█ 11	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1434	█ 1298	---	---
Magnesium	ppm	█ 719	█ 724	---	---
Zinc	ppm	889	█ 910	---	---
Phosphorus	ppm	704	█ 737	---	---
Barium	ppm	█ 8	█ <1	---	---
Boron	ppm	224	█ 79	---	---

Depot: VP794951
Unique No: 10819349
Signed: Don Baldrige
Report Date: 09 Jan 2024

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VOLVO PENTA

GRAPHS

