

OIL ANALYSIS REPORT

VOLVO PENTA

LUCKY LUCY VOLVO PENTA 7008483308 - PORT DIESEL ENGINE

Sample No: VPA056251

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA056251	VPA045170	---	---
Sample Date	21 Jun 2023	07 Jun 2022	---	---
Machine Hours	506	412	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	█ 14.1	---	---
Base Number (BN)	mg KOH/g	█ 10.5	█ 10.3	---	---
Oxidation (PA)	%	59	62	---	---

CONTAMINATION

Soot %	%	█ 0.7	█ 0.9	---	---
Nitration (PA)	%	56	63	---	---
Sulfation (PA)	%	57	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 11	█ 19	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ <1	█ 1	---	---

WEAR METALS

Iron	ppm	█ 21	█ 28	---	---
Copper	ppm	█ 57	█ 76	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 2	---	---
Chromium	ppm	█ 1	█ 2	---	---
Molybdenum	ppm	█ 67	█ 65	---	---
Nickel	ppm	█ 2	█ 2	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ <1	█ 1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1177	█ 1151	---	---
Magnesium	ppm	█ 1089	█ 1027	---	---
Zinc	ppm	█ 1439	█ 1406	---	---
Phosphorus	ppm	█ 1159	█ 1117	---	---
Barium	ppm	█ 0	█ 2	---	---
Boron	ppm	█ 1	█ 6	---	---

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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: VP1298996
Unique No: 10534611
Signed: Doug Bogart
Report Date: 30 Jun 2023

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GRAPHS

