

OIL ANALYSIS REPORT



IAN PORTER DANIEL/502243 VOLVO PENTA 2006035538 - CENTER LEFT DIESEL ENGINE

Sample No: VPA059133
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA059133	VPA037117	---	---
Sample Date	01 Jan 2024	20 Jan 2022	---	---
Machine Hours	1006	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.6	13.9	---	---
Base Number (BN)	mg KOH/g	9.5	11.2	---	---
Oxidation (PA)	%	63	79	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	58	52	---	---
Sulfation (PA)	%	55	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	6	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	2	<1	---	---

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 suitable for further service.

WEAR METALS

Iron	ppm	4	2	---	---
Copper	ppm	6	1	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	4	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	54	40	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1083	1563	---	---
Magnesium	ppm	926	599	---	---
Zinc	ppm	1238	950	---	---
Phosphorus	ppm	1058	800	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	12	51	---	---

Depot: VP794951
Unique No: 10836344
Signed: Angela Borella
Report Date: 22 Jan 2024

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VOLVO PENTA

GRAPHS

