

OIL ANALYSIS REPORT



RICHARD TADLOCK 502567 VOLVO PENTA 2006039639 - PORT DIESEL ENGINE

Sample No: VPA059636
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059636	VPA045528	---	---
Sample Date	07 Mar 2024	07 Mar 2023	---	---
Machine Hours	1214	1134	---	---
Oil Hours	0	50	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.5	---	---
Base Number (BN)	mg KOH/g	10.0	10.3	---	---
Oxidation (PA)	%	57	58	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	46	51	---	---
Sulfation (PA)	%	51	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	0	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	<1	4	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	58	58	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1027	1058	---	---
Magnesium	ppm	948	878	---	---
Zinc	ppm	1238	1197	---	---
Phosphorus	ppm	1053	1015	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

Depot: VP794951
Unique No: 10925644
Signed: Don Baldrige
Report Date: 14 Mar 2024

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VOLVO PENTA

GRAPHS

