

OIL ANALYSIS REPORT



RICHARD TADLOCK 502567 VOLVO PENTA 2006039640 - STARBOARD DIESEL ENGINE

Sample No: VPA059633
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059633	VPA045525	---	---
Sample Date	07 Mar 2024	07 Mar 2023	---	---
Machine Hours	1215	1136	---	---
Oil Hours	0	50	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.9	13.4	---	---
Base Number (BN)	mg KOH/g	10.0	10.0	---	---
Oxidation (PA)	%	57	57	---	---

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.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	45	49	---	---
Sulfation (PA)	%	51	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	0	<1	---	---

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	60	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1030	1065	---	---
Magnesium	ppm	960	895	---	---
Zinc	ppm	1241	1208	---	---
Phosphorus	ppm	1073	1036	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

Depot: VP794951
Unique No: 10925645
Signed: Don Baldrige
Report Date: 14 Mar 2024

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VOLVO PENTA

GRAPHS

