

OIL ANALYSIS REPORT

VOLVO PENTA

JEFF SCOTT TOM VOLVO PENTA A517563 - STARBOARD DIESEL ENGINE

Sample No: VPA058002
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA058002	VPA026313	---	---
Sample Date	20 Mar 2024	26 Jun 2020	---	---
Machine Hours	324	198	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	█ 13.5	---	---
Base Number (BN)	mg KOH/g	█ 10.1	---	---	---
Oxidation (PA)	%	55	57	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	43	43	---	---
Sulfation (PA)	%	50	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 7	---	---
Sodium	ppm	█ 38	█ 1	---	---
Potassium	ppm	█ 15	█ 0	---	---

WEAR METALS

Iron	ppm	█ 12	█ 9	---	---
Copper	ppm	█ 3	█ 2	---	---
Lead	ppm	█ <1	█ 3	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 4	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 63	█ 64	---	---
Nickel	ppm	█ 1	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 1131	█ 1111	---	---
Magnesium	ppm	982	1056	---	---
Zinc	ppm	█ 1252	█ 1226	---	---
Phosphorus	ppm	█ 998	█ 1108	---	---
Barium	ppm	█ 2	█ 0	---	---
Boron	ppm	█ 18	█ 2	---	---

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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 suitable for further service.

Depot: VP151529
Unique No: 10939493
Signed: Jonathan Hester
Report Date: 22 Mar 2024

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GRAPHS

