

OIL ANALYSIS REPORT

VOLVO PENTA

LAZY SUNDAY H56646 - CENTER DIESEL ENGINE

Sample No: VPA059311

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA059311	VPA044404	---	---
Sample Date	20 Dec 2023	20 Jan 2023	---	---
Machine Hours	332	529	---	---
Oil Hours	10	51	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	█ 13.9	---	---
Base Number (BN)	mg KOH/g	█ 8.7	█ 9.1	---	---
Oxidation (PA)	%	65	65	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	47	48	---	---
Sulfation (PA)	%	55	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 3	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ 5	█ 8	---	---

WEAR METALS

Iron	ppm	█ 8	█ 13	---	---
Copper	ppm	█ 16	█ 21	---	---
Lead	ppm	█ 1	█ 2	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 1	█ <1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 5	█ <1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	█ 2007	█ 2221	---	---
Magnesium	ppm	82	█ 24	---	---
Zinc	ppm	█ 1192	█ 1251	---	---
Phosphorus	ppm	█ 982	█ 1027	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 160	█ 197	---	---

The Talaria Company

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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: VP592286

Unique No: 10830432

Signed: Don Baldrige

Report Date: 15 Jan 2024

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GRAPHS

