

OIL ANALYSIS REPORT

VOLVO PENTA

4 FROGS AR 6732-54461 - GENSET

Sample No: VPA058228

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA058228	VPA044664	VPA032084	---
Sample Date	17 Nov 2023	04 Nov 2022	02 Oct 2021	---
Machine Hours	1081	0	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 100°C	cSt	13.5	13.8	14.3	---
Base Number (BN)	mg KOH/g	8.2	8.6	---	---
Oxidation (PA)	%	65	65	67	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	53	53	53	---
Sulfation (PA)	%	55	55	57	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	4	3	---
Sodium	ppm	<1	2	1	---
Potassium	ppm	9	8	8	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	2012	2266	2271	---
Magnesium	ppm	11	16	17	---
Zinc	ppm	1081	1254	1276	---
Phosphorus	ppm	940	1022	1007	---
Barium	ppm	3	0	0	---
Boron	ppm	201	197	216	---

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 suitable for further service.

Depot: VP592286
Unique No: 10778827
Signed: Doug Bogart
Report Date: 11 Dec 2023

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GRAPHS

