

OIL ANALYSIS REPORT

VOLVO PENTA

TIPSSEA CHRISSEA L20054956 - GENSET

Sample No: VPA047898

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA047898	VPA031287	VPA043408	---
Sample Date	10 Oct 2023	30 Sep 2022	01 Feb 2022	---
Machine Hours	138	83	38	---
Oil Hours	25	0	0	---
Oil Changed	Changed	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	█ 13.9	█ 13.52	---
Base Number (BN)	mg KOH/g	█ 8.2	█ 9.8	---	---
Oxidation (PA)	%	67	73	---	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	49	54	---	---
Sulfation (PA)	%	55	60	---	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	█ 11	█ 13	█ 31	---
Sodium	ppm	█ 3	█ 2	█ 2	---
Potassium	ppm	█ 7	█ 8	█ 2	---

WEAR METALS

Iron	ppm	█ 2	█ 6	█ 10	---
Copper	ppm	█ 3	█ 2	█ 12	---
Lead	ppm	█ 0	█ <1	█ 1	---
Tin	ppm	█ 0	█ <1	█ <1	---
Aluminum	ppm	█ 3	█ 3	█ 7	---
Chromium	ppm	█ <1	█ <1	█ <1	---
Molybdenum	ppm	█ <1	█ 9	█ 57	---
Nickel	ppm	█ <1	█ 0	█ 0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	█ 0	0	0	---
Manganese	ppm	█ <1	█ <1	█ 3	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	█ 2118	█ 2065	█ 1600	---
Magnesium	ppm	█ 54	115	█ 706	---
Zinc	ppm	█ 1217	█ 1119	█ 865	---
Phosphorus	ppm	█ 987	█ 930	█ 794	---
Barium	ppm	█ 0	█ 0	█ 3	---
Boron	ppm	█ 184	█ 175	█ 53	---

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: 10722494

Signed: Sean Felton

Report Date: 01 Nov 2023

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GRAPHS

