

OIL ANALYSIS REPORT

VOLVO PENTA

PRECIOUS TIME 10072 A1139427 - PORT DIESEL ENGINE

Sample No: VPA060666

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA060666	VPA046278	---	---
Sample Date	14 Dec 2023	30 Dec 2022	---	---
Machine Hours	144	79	---	---
Oil Hours	65	50	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	█ 13.0	---	---
Base Number (BN)	mg KOH/g	█ 9.9	█ 10.5	---	---
Oxidation (PA)	%	61	57	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	49	43	---	---
Sulfation (PA)	%	53	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 10	█ 25	---	---
Sodium	ppm	█ 2	█ 4	---	---
Potassium	ppm	█ 2	█ <1	---	---

WEAR METALS

Iron	ppm	█ 6	█ 10	---	---
Copper	ppm	█ 4	█ 11	---	---
Lead	ppm	█ <1	█ 4	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ 6	█ 10	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 45	█ 58	---	---
Nickel	ppm	█ 2	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1485	█ 1164	---	---
Magnesium	ppm	█ 541	█ 850	---	---
Zinc	ppm	█ 1217	█ 1180	---	---
Phosphorus	ppm	█ 1048	█ 1017	---	---
Barium	ppm	█ <1	█ <1	---	---
Boron	ppm	52	█ 15	---	---

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: 10794166

Signed: Sean Felton

Report Date: 20 Dec 2023

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GRAPHS

