

OIL ANALYSIS REPORT

VOLVO PENTA

DRAGONFLY 37001 A485802 - PORT DIESEL ENGINE

Sample No: VPA041184

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA041184	VPA041366	---	---
Sample Date	06 Dec 2023	04 Jan 2023	---	---
Machine Hours	1577	186	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	█ 14.7	---	---
Base Number (BN)	mg KOH/g	█ 9.4	█ 7.1	---	---
Oxidation (PA)	%	63	69	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.7	---	---
Nitration (PA)	%	57	71	---	---
Sulfation (PA)	%	55	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 7	---	---
Sodium	ppm	█ 3	█ 4	---	---
Potassium	ppm	█ 3	█ 6	---	---

WEAR METALS

Iron	ppm	█ 15	█ 44	---	---
Copper	ppm	█ 4	█ 12	---	---
Lead	ppm	█ 0	█ 2	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ 2	█ 3	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ 40	█ 15	---	---
Nickel	ppm	█ 3	█ 6	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 1579	█ 2220	---	---
Magnesium	ppm	█ 456	91	---	---
Zinc	ppm	█ 1206	█ 1108	---	---
Phosphorus	ppm	█ 1027	█ 906	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 63	█ 158	---	---

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: 10794162

Signed: Sean Felton

Report Date: 20 Dec 2023

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GRAPHS

