

OIL ANALYSIS REPORT

**VOLVO
PENTA**

TETZNER 534748 VOLVO PENTA A303472 - PORT DIESEL ENGINE

Sample No: VPA058484

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA058484	VPA043368	---	---
Sample Date	15 May 2024	15 Feb 2023	---	---
Machine Hours	479	416	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

Jas Marine Service Inc

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US 33315

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F:

OIL CONDITION

Visc @ 100°C	cSt	14.3	14.1	---	---
Base Number (BN)	mg KOH/g	7.4	8.7	---	---
Oxidation (PA)	%	70	70	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.4	0.1	---	---
Nitration (PA)	%	73	66	---	---
Sulfation (PA)	%	57	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	7	---	---
Sodium	ppm	7	14	---	---
Potassium	ppm	3	2	---	---

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.

WEAR METALS

Iron	ppm	21	59	---	---
Copper	ppm	2	3	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	17	47	---	---
Chromium	ppm	1	4	---	---
Molybdenum	ppm	48	46	---	---
Nickel	ppm	<1	1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1178	1101	---	---
Magnesium	ppm	811	740	---	---
Zinc	ppm	888	855	---	---
Phosphorus	ppm	711	716	---	---
Barium	ppm	0	0	---	---
Boron	ppm	43	43	---	---

Depot: VP426065

Unique No: 11045485

Signed: Sean Felton

Report Date: 28 May 2024

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GRAPHS

