

OIL ANALYSIS REPORT

VOLVO PENTA

JOR PLACE R815409M VOLVO PENTA 7011464706 - PORT DIESEL ENGINE

Sample No: VPA060580

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA060580	VPA043947	---	---
Sample Date	30 Oct 2023	28 Jun 2022	---	---
Machine Hours	435	185	---	---
Oil Hours	100	0	---	---
Oil Changed	Not Changd	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

Power Products Systems LLC
432 Warren Avenue, 432 Warren Ave.
PORTLAND, ME
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Contact: Cody Clemens
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F:

OIL CONDITION

Visc @ 100°C	cSt	13.6	13.4	---	---
Base Number (BN)	mg KOH/g	9.1	9.3	---	---
Oxidation (PA)	%	63	53	---	---

CONTAMINATION

Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	47	43	---	---
Sulfation (PA)	%	55	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	0	1	---	---
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	3	2	---	---
Copper	ppm	7	4	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	10	51	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1959	1225	---	---
Magnesium	ppm	154	798	---	---
Zinc	ppm	1201	1257	---	---
Phosphorus	ppm	1009	1006	---	---
Barium	ppm	0	0	---	---
Boron	ppm	144	33	---	---

Depot: VP153549
Unique No: 10724901
Signed: Sean Felton
Report Date: 03 Nov 2023

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GRAPHS

