

OIL ANALYSIS REPORT

VOLVO PENTA

UNCLE MO VOLVO PENTA 2013219687 - PORT DIESEL ENGINE

Sample No: VPA046428

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA046428	VPA028924	---	---
Sample Date	26 Jun 2023	09 Mar 2021	---	---
Machine Hours	2032	1859	---	---
Oil Hours	0	200	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	█ 14.3	---	---
Base Number (BN)	mg KOH/g	█ 7.1	---	---	---
Oxidation (PA)	%	69	70	---	---

CONTAMINATION

Soot %	%	█ 0.3	█ 0.2	---	---
Nitration (PA)	%	68	57	---	---
Sulfation (PA)	%	58	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 3	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 9	█ 9	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	█ 2153	█ 2350	---	---
Magnesium	ppm	█ 90	█ 10	---	---
Zinc	ppm	█ 1164	█ 1140	---	---
Phosphorus	ppm	█ 986	█ 1029	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 92	█ 153	---	---

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Diagnosis

No corrective action is recommended at this time. 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: VP694356
Unique No: 10561130
Signed: Doug Bogart
Report Date: 18 Jul 2023

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GRAPHS

