

OIL ANALYSIS REPORT

VOLVO PENTA

LOUIE UNGARO AK502281 VOLVO PENTA 2041065128 - DIESEL ENGINE

Sample No: VPA049564

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA049564	---	---	---
Sample Date	15 Aug 2023	---	---	---
Machine Hours	640	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	76	---	---	---

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.

CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	88	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 23	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 65	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1037	---	---	---
Magnesium	ppm	█ 887	---	---	---
Zinc	ppm	█ 1149	---	---	---
Phosphorus	ppm	█ 970	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 4	---	---	---

Depot: VP794951
Unique No: 10607014
Signed: Don Baldrige
Report Date: 18 Aug 2023

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GRAPHS

