

OIL ANALYSIS REPORT

VOLVO PENTA

MIKE ROSS AR M ROSS 502694 VOLVO PENTA 4012182169 - STARBOARD GASOLINE ENGINE

Sample No: VPA061972

Oil Type: VOLVO 10W40

SAMPLE INFORMATION

Sample Number	VPA061972	---	---	---
Sample Date	03 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	15	---	---	---

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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	6	---	---	---
Sulfation (PA)	%	11	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 27	---	---	---
Sodium	ppm	█ 49	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 88	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 6	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1687	---	---	---
Magnesium	ppm	23	---	---	---
Zinc	ppm	823	---	---	---
Phosphorus	ppm	719	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	<1	---	---	---

Depot: VP794951
Unique No: 11015828
Signed: Don Baldrige
Report Date: 08 May 2024

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GRAPHS

