

OIL ANALYSIS REPORT

VOLVO PENTA

MARK REYS 503009 VOLVO PENTA MARK REYS (S/N NOT GIVEN) - GASOLINE ENGINE

Sample No: VPA061717
Oil Type: VOLVO 10W40

SAMPLE INFORMATION

Sample Number	VPA061717	---	---	---
Sample Date	29 May 2024	---	---	---
Machine Hours	777	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 5.1	---	---	---
Oxidation (PA)	%	15	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The high sodium (Na) level indicates the possible presence of salt water. 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	---	---	---
Nitration (PA)	%	11	---	---	---
Sulfation (PA)	%	13	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 23	---	---	---
Sodium	ppm	● 115	---	---	---
Potassium	ppm	█ 27	---	---	---

WEAR METALS

Iron	ppm	█ 72	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 8	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 11	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	46	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1764	---	---	---
Magnesium	ppm	48	---	---	---
Zinc	ppm	814	---	---	---
Phosphorus	ppm	708	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	6	---	---	---

Depot: VP794951
Unique No: 11075817
Signed: Sean Felton
Report Date: 14 Jun 2024

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GRAPHS

