

OIL ANALYSIS REPORT

VOLVO PENTA

JIMMY MERCUISER OW631882 - GASOLINE ENGINE

Sample No: VPA036414
Oil Type: MERCUISER 25W40

SAMPLE INFORMATION

Sample Number	VPA036414	---	---	---
Sample Date	17 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	22	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	8	---	---	---
Sulfation (PA)	%	14	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1971	---	---	---
Magnesium	ppm	126	---	---	---
Zinc	ppm	1044	---	---	---
Phosphorus	ppm	920	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	161	---	---	---

BEST MARINE

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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.

Depot: VPBESTAR
Unique No: 10766434
Signed: Don Baldrige
Report Date: 04 Dec 2023

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GRAPHS

