

OIL ANALYSIS REPORT

VOLVO PENTA

A222249 - CENTER MAIN ENGINE

Sample No: VPA050507

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA050507	---	---	---
Sample Date	17 Mar 2024	---	---	---
Machine Hours	470	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Oxidation (PA)	%	55	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	49	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 5	---	---	---

WEAR METALS

Iron	ppm	█ 57	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 61	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 1101	---	---	---
Magnesium	ppm	█ 990	---	---	---
Zinc	ppm	█ 1222	---	---	---
Phosphorus	ppm	█ 1044	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

STEPHEN COX

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Diagnosis

We advise that you check for visible metal particles in the oil. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Light concentration of visible metal present. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: STE646CHI
Unique No: 5750249
Signed: Kevin Marson
Report Date: 02 Apr 2024

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GRAPHS

