

OIL ANALYSIS REPORT

VOLVO PENTA

FULFORD/MARR FULFORD/MARR VOLVO PENTA 7011487606 - STARBOARD DIESEL ENGINE

Sample No: VPA002817

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA002817	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	529	---	---	---
Oil Hours	40	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	12.4	---	---	---
Base Number (BN)	mg KOH/g	8.7	---	---	---
Oxidation (PA)	%	65	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	1.1	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	16	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---

WEAR METALS

Iron	ppm	43	---	---	---
Copper	ppm	67	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	62	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1095	---	---	---
Magnesium	ppm	992	---	---	---
Zinc	ppm	1308	---	---	---
Phosphorus	ppm	1125	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

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Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.

Depot: VP152567
Unique No: 10989450
Signed: Jonathan Hester
Report Date: 23 Apr 2024

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GRAPHS

