

OIL ANALYSIS REPORT

VOLVO PENTA

BOB ANDERSON VOLVO PENTA 4012025897 - CENTER DIESEL ENGINE

Sample No: VPA060750
Oil Type: VOLVO PENTA 10W40

SAMPLE INFORMATION

Sample Number	VPA060750	---	---	---
Sample Date	15 Mar 2024	---	---	---
Machine Hours	800	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	16.8	---	---	---
Base Number (BN)	mg KOH/g	6.9	---	---	---
Oxidation (PA)	%	33	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	42	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	0	---	---	---

WEAR METALS

Iron	ppm	17	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	41	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1673	---	---	---
Magnesium	ppm	123	---	---	---
Zinc	ppm	830	---	---	---
Phosphorus	ppm	732	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	13	---	---	---

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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: VP152741
Unique No: 10941500
Signed: Don Baldrige
Report Date: 27 Mar 2024

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GRAPHS

