OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA A1129110 - PORT DIESEL ENGINE

Sample No: VPA053067

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number		**VPA053067**	---	---	---
Sample Date		**24 Apr 2024**	---	---	---
Machine Hours		**581**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**N/A**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	**13.4**	---	---	---
Base Number (BN)	mg KOH/g	**9.6**	---	---	---
Oxidation (PA)	%	**55**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Soot %	%	**0.7**	---	---	---
Nitration (PA)	%	**53**	---	---	---
Sulfation (PA)	%	**54**	---	---	---
Glycol	%	**NEG**	---	---	---
Fuel	%	**<1.0**	---	---	---
Silicon	ppm	**7**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**<1**	---	---	---

WEAR METALS

Iron	ppm	**43**	---	---	---
Copper	ppm	**12**	---	---	---
Lead	ppm	**4**	---	---	---
Tin	ppm	**2**	---	---	---
Aluminum	ppm	**4**	---	---	---
Chromium	ppm	**1**	---	---	---
Molybdenum	ppm	**61**	---	---	---
Nickel	ppm	**3**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**1145**	---	---	---
Magnesium	ppm	**1033**	---	---	---
Zinc	ppm	**1340**	---	---	---
Phosphorus	ppm	**1122**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**2**	---	---	---

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US 33069
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F:

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: VPJOHDEE
Unique No: 11002971
Signed: Don Baldridge
Report Date: 30 Apr 2024

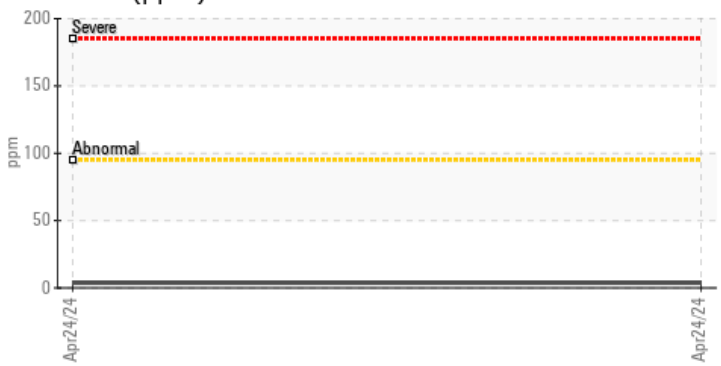
OIL ANALYSIS REPORT

VOLVO PENTA

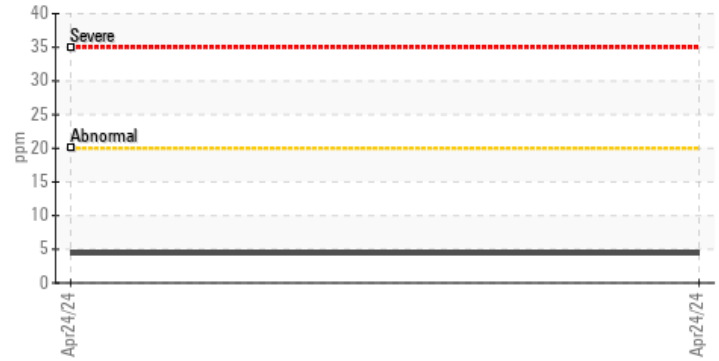
GRAPHS

Iron (ppm)

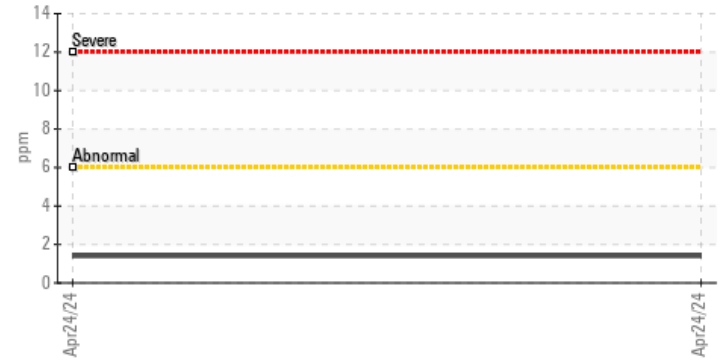
Lead (ppm)



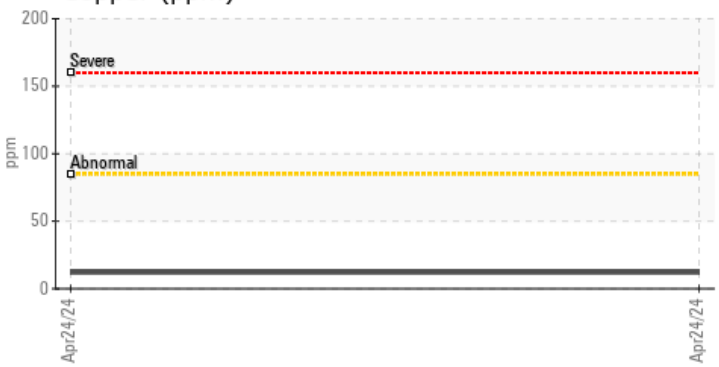
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)

Viscosity @ 100°C

Base Number