

OIL ANALYSIS REPORT

VOLVO PENTA

WINDSERVE VOLVO PENTA 10132167560 - DIESEL ENGINE

Sample No: VPA045093
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA045093	---	---	---
Sample Date	18 Aug 2023	---	---	---
Machine Hours	1	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 12.91	---	---	---
Base Number (BN)	mg KOH/g	█ 10.0	---	---	---
Oxidation (PA)	%	71	---	---	---

CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1751	---	---	---
Magnesium	ppm	█ 388	---	---	---
Zinc	ppm	█ 1078	---	---	---
Phosphorus	ppm	█ 887	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 77	---	---	---

SENESCO MARINE

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T:
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Diagnosis

We recommend you service the filters on this component if applicable. All component wear rates are normal. There is a high amount of particulates present in the oil. The condition of the oil is acceptable for the time in service.

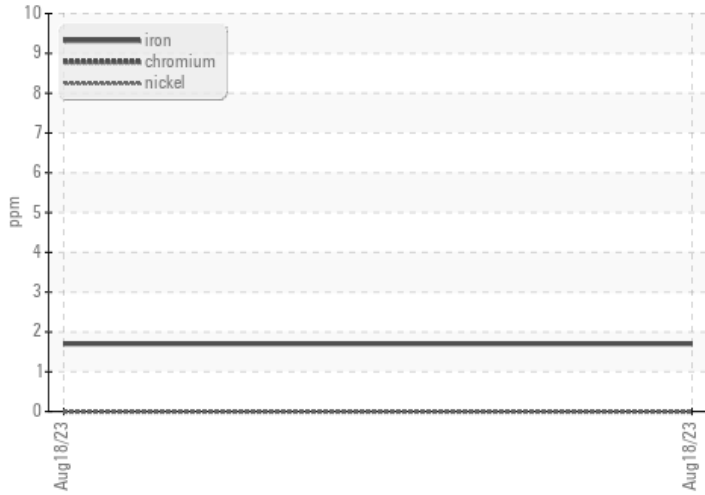
Depot: VPSENNOR
Unique No: 10609066
Signed: Doug Bogart
Report Date: 21 Aug 2023

OIL ANALYSIS REPORT

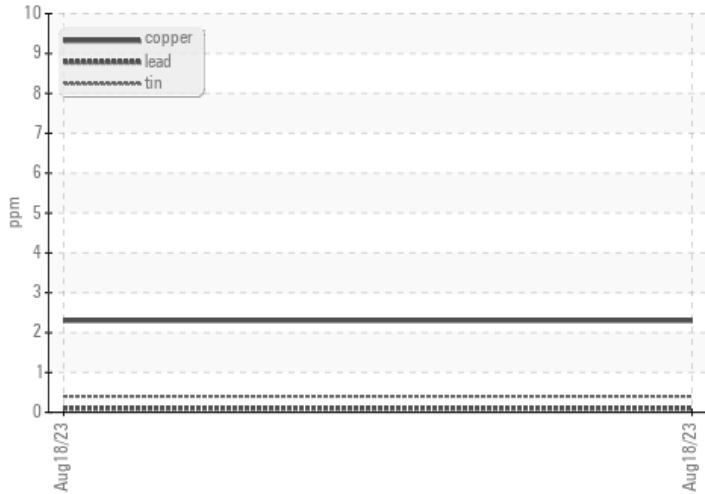
VOLVO PENTA

GRAPHS

Ferrous Alloys



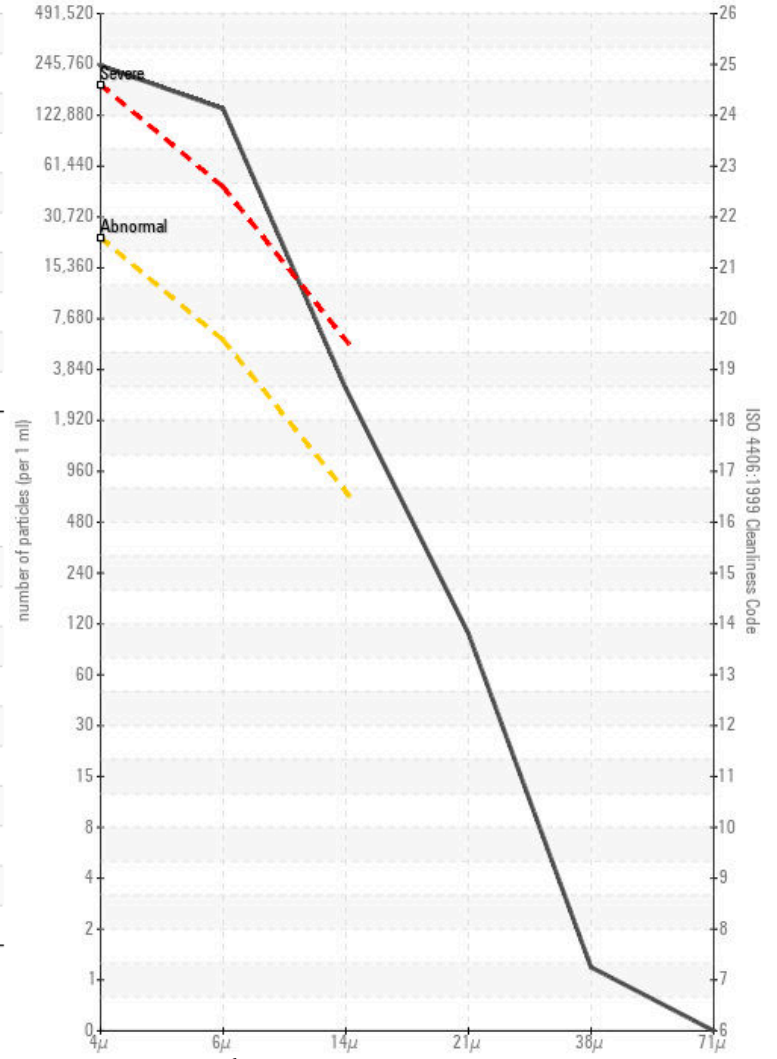
Non-ferrous Metals



Viscosity @ 100°C



Particle Count



Base Number

