

# OIL ANALYSIS REPORT

# VOLVO PENTA

## WINDSERVE VOLVO PENTA 10132167933 - DIESEL ENGINE

Sample No: VPA046614

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA046614	---	---	---
Sample Date	20 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	7	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 12.95	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	72	---	---	---

### CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---

### WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
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	█ 1766	---	---	---
Magnesium	ppm	█ 393	---	---	---
Zinc	ppm	█ 1085	---	---	---
Phosphorus	ppm	█ 890	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 77	---	---	---

### SENESCO MARINE

10 MACNAUGHT ST  
NORTH KINGSTOWN, RI  
US 02852

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T:  
F:

### Diagnosis

The oil change at the time of sampling has been noted. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.

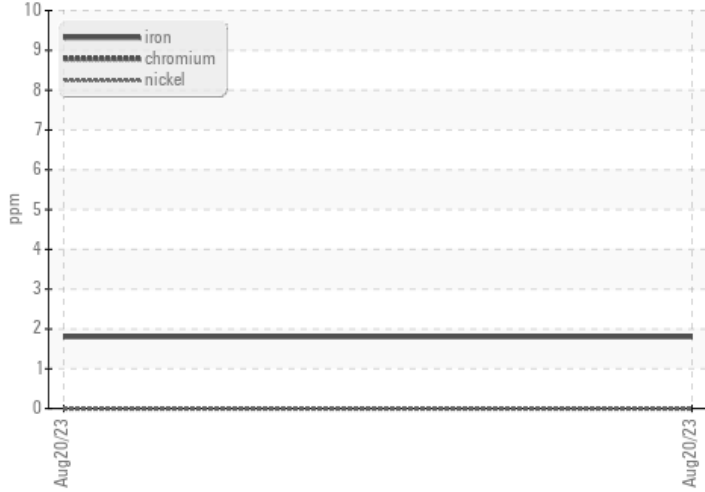
Depot: VPSENNOR  
Unique No: 10609065  
Signed: Doug Bogart  
Report Date: 21 Aug 2023

# OIL ANALYSIS REPORT

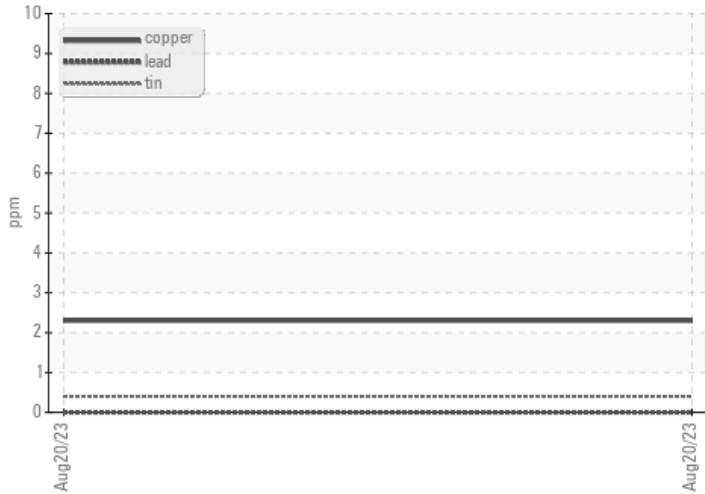


## GRAPHS

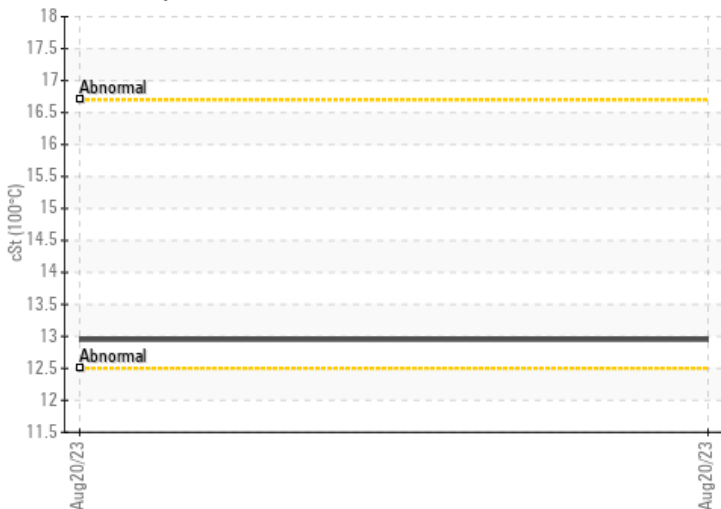
Ferrous Alloys



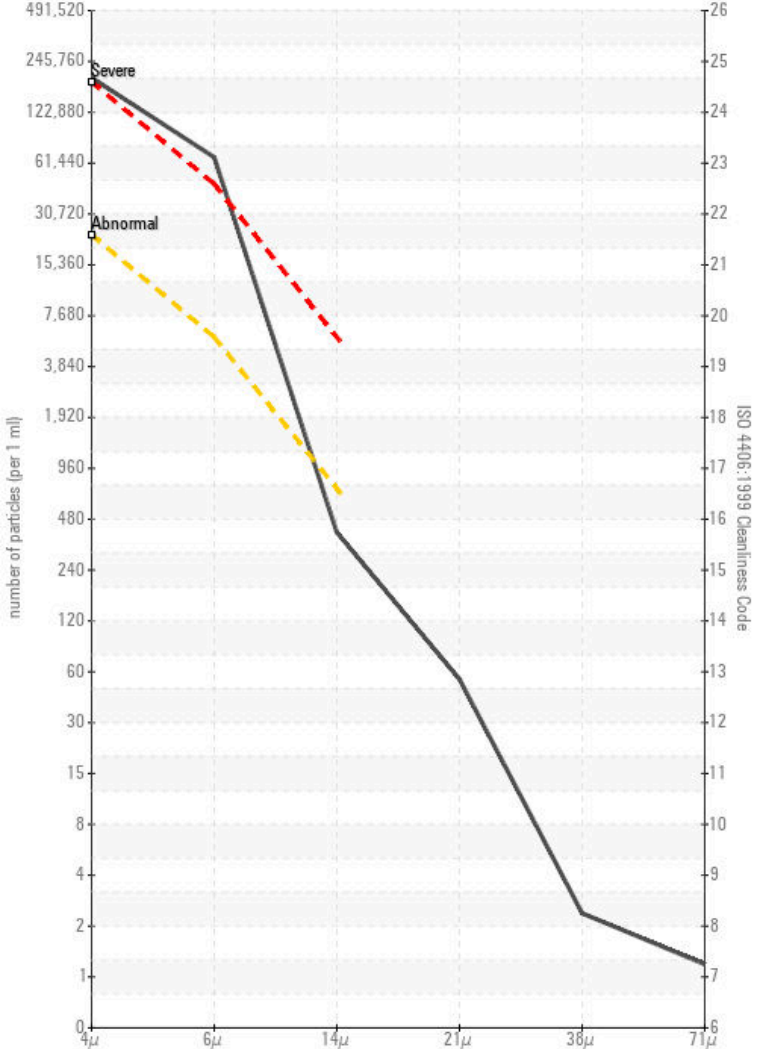
Non-ferrous Metals



Viscosity @ 100°C



Particle Count



Base Number

