OIL ANALYSIS REPORT

VOLVO PENTA

GREGG COHEN FRANK/23161 VOLVO PENTA 7011449299 - STARBOARD DIESEL ENGINE

Sample No: VPA048619

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number		**VPA048619**	---	---	---
Sample Date		**13 Oct 2023**	---	---	---
Machine Hours		**788**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	**10.8**	---	---	---
Base Number (BN)	mg KOH/g	**7.4**	---	---	---
Oxidation (PA)	%	**45**	---	---	---

CONTAMINATION

Soot %	%	**0.5**	---	---	---
Nitration (PA)	%	**55**	---	---	---
Sulfation (PA)	%	**52**	---	---	---
Glycol	%	**NEG**	---	---	---
Fuel	%	**4.1**	---	---	---
Silicon	ppm	**8**	---	---	---
Sodium	ppm	**3**	---	---	---
Potassium	ppm	**0**	---	---	---

WEAR METALS

Iron	ppm	**20**	---	---	---
Copper	ppm	**101**	---	---	---
Lead	ppm	**2**	---	---	---
Tin	ppm	**<1**	---	---	---
Aluminum	ppm	**<1**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**17**	---	---	---
Nickel	ppm	**1**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**1850**	---	---	---
Magnesium	ppm	**56**	---	---	---
Zinc	ppm	**713**	---	---	---
Phosphorus	ppm	**637**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**12**	---	---	---

Seven Seas Yacht Services LLC
1804 CRAB ALLEY DR
CHESTER, MD
US 21619
Contact: Stephanie Wright
stephanie@sevenseasys.com
T:
F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal for OEM. Fuel content negligible. No other contaminants were detected 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.

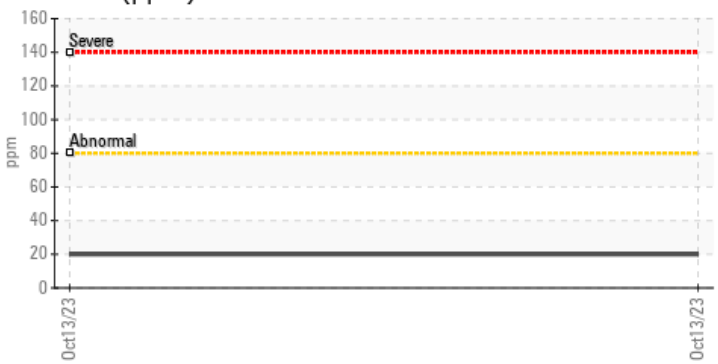
Depot: VP601781
Unique No: 10698232
Signed: Doug Bogart
Report Date: 18 Oct 2023

OIL ANALYSIS REPORT

VOLVO PENTA

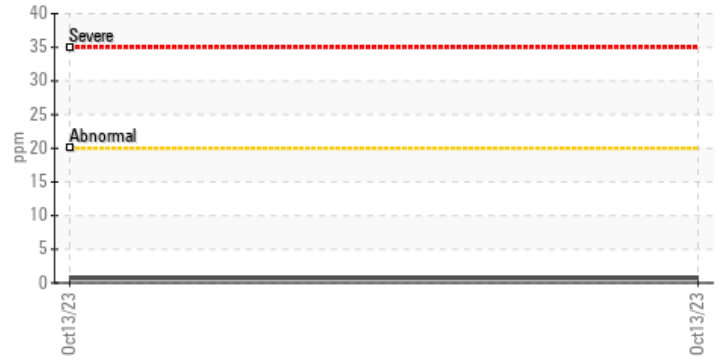
GRAPHS

Iron (ppm)

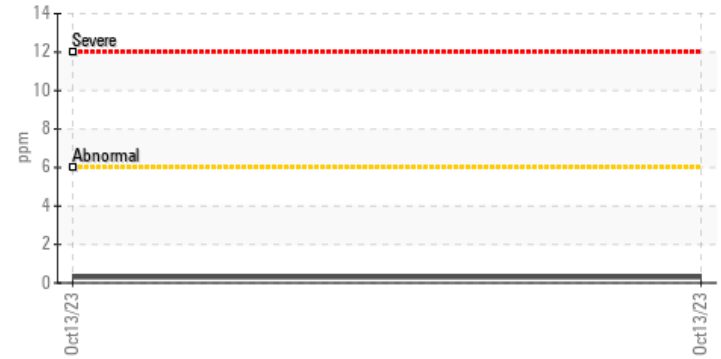


Lead (ppm)

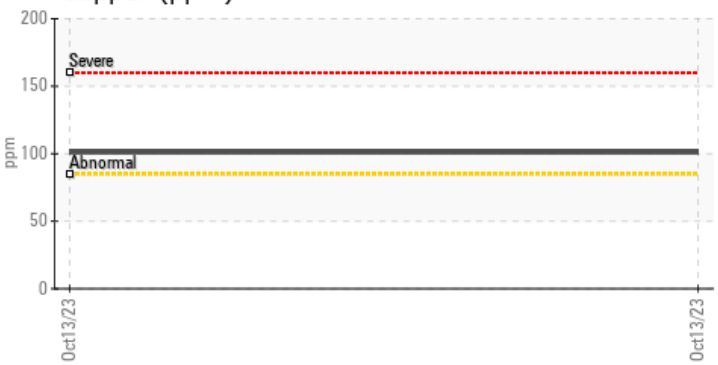
Aluminum (ppm)



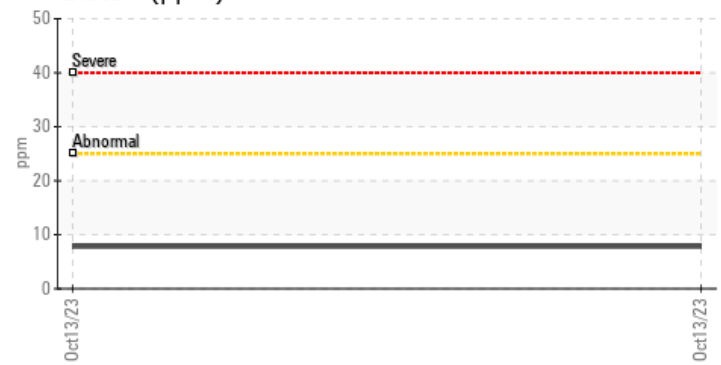
Chromium (ppm)



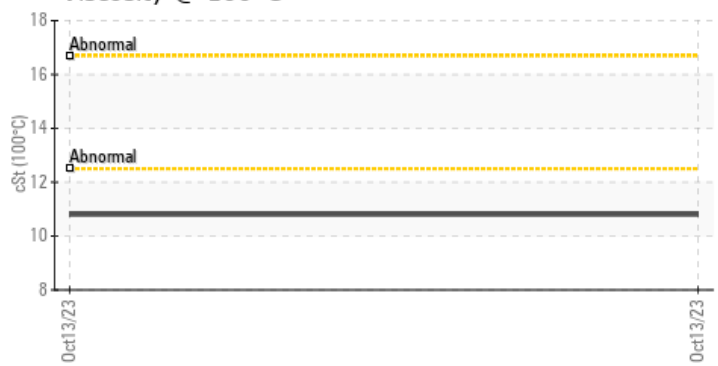
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number