OIL ANALYSIS REPORT

VOLVO PENTA

S8 AZIMUT-22 20132064730 - PORT DIESEL ENGINE

Sample No: VPA049529

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION

Sample Number		**VPA049529**	---	---	---
Sample Date		**23 Jan 2024**	---	---	---
Machine Hours		**170**	---	---	---
Oil Hours		**170**	---	---	---
Oil Changed		**Not Changd**	---	---	---
Sample Status		**ATTENTION**	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	**13.2**	---	---	---
Base Number (BN)	mg KOH/g	**7.7**	---	---	---
Oxidation (PA)	%	**33**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Soot %	%	**0.2**	---	---	---
Nitration (PA)	%	**43**	---	---	---
Sulfation (PA)	%	**40**	---	---	---
Glycol	%	**NEG**	---	---	---
Fuel	%	**<1.0**	---	---	---
Silicon	ppm	▲ **30**	---	---	---
Sodium	ppm	**6**	---	---	---
Potassium	ppm	**26**	---	---	---

WEAR METALS

Iron	ppm	**29**	---	---	---
Copper	ppm	**30**	---	---	---
Lead	ppm	**2**	---	---	---
Tin	ppm	**3**	---	---	---
Aluminum	ppm	**11**	---	---	---
Chromium	ppm	**1**	---	---	---
Molybdenum	ppm	**5**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**3**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**1210**	---	---	---
Magnesium	ppm	**1127**	---	---	---
Zinc	ppm	**1447**	---	---	---
Phosphorus	ppm	**1195**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**9**	---	---	---

SIEBERT YACHT MANAGEMENT
2875 JUPITER PARK DR, SUITE 1700
JUPITER, FL
US 33458
Contact: JAY SIEBERT
jay@siebertyachtmanagement.com
T:
F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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: VP1190184
Unique No: 10847567
Signed: Don Baldridge
Report Date: 29 Jan 2024

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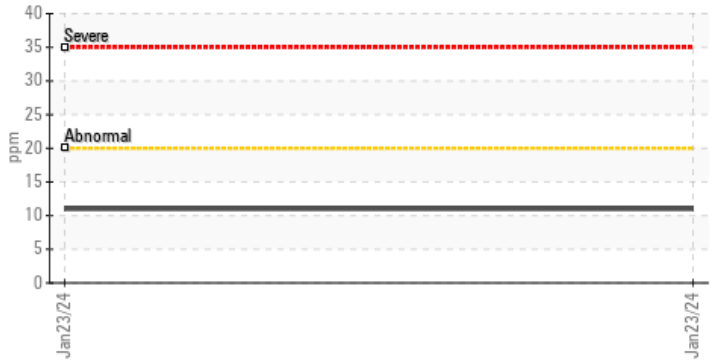
GRAPHS

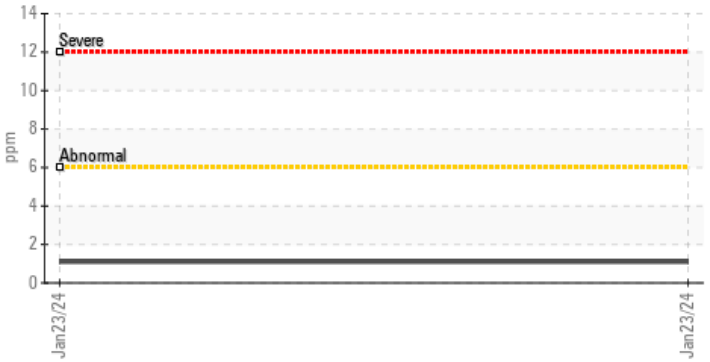
Iron (ppm)

Lead (ppm)

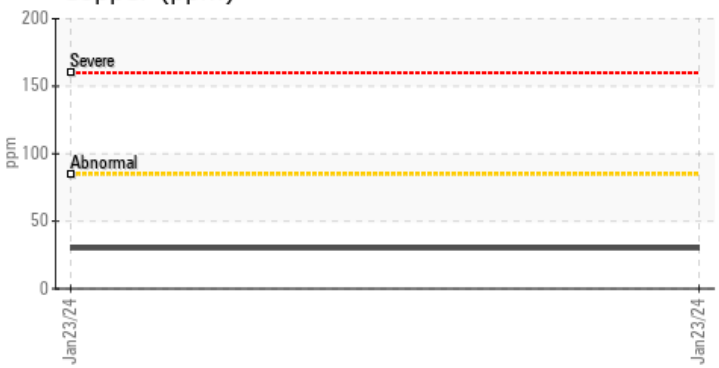
Aluminum (ppm)



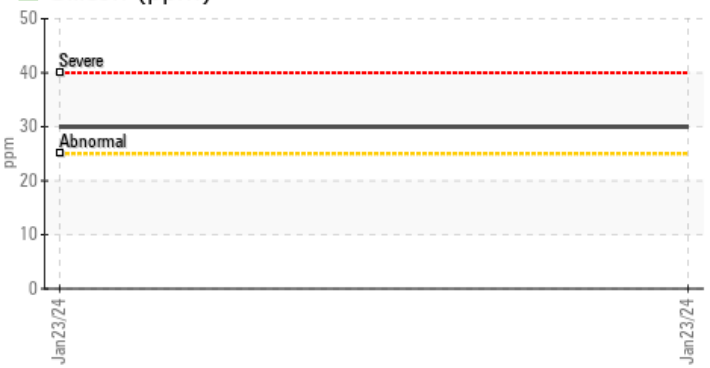
Chromium (ppm)



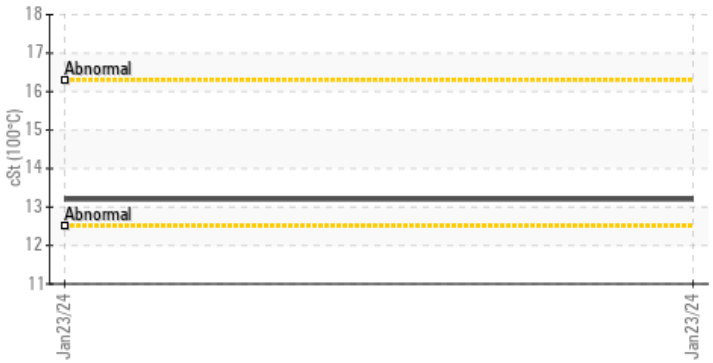
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number