

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 701 1436070 - STARBOARD DIESEL ENGINE

Sample No: VPA036722

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA036722	---	---	---
Sample Date	13 Dec 2023	---	---	---
Machine Hours	646	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 11.7	---	---	---
Base Number (BN)	mg KOH/g	■ 9.7	---	---	---
Oxidation (PA)	%	55	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	47	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 5.0	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

Iron	ppm	■ 2	---	---	---
Copper	ppm	■ 8	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 58	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 971	---	---	---
Magnesium	ppm	■ 924	---	---	---
Zinc	ppm	■ 1239	---	---	---
Phosphorus	ppm	■ 1057	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 2	---	---	---

SUNCOAST DIESEL MARINE
6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
Contact: SERVICE MANAGER
info@suncoastdmi.com
T: (941)342-0033
F:

Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VP705283
Unique No: 10802517
Signed: Jonathan Hester
Report Date: 26 Dec 2023

OIL ANALYSIS REPORT



GRAPHS

