

OIL ANALYSIS REPORT



TERRY CANNON FTM545373 VOLVO PENTA 70112021191 - STARBOARD DIESEL ENGINE

Sample No: VPA036644
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA036644	---	---	---
Sample Date	28 Feb 2024	---	---	---
Machine Hours	236	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

FDDA - FORT MYERS
 1326 SE 17TH STE 460
 FORT MYER, FL
 US
 Contact: JASON HOGAN
 j.hogan@ssss.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	● 11.5	---	---	---
Base Number (BN)	mg KOH/g	■ 9.5	---	---	---
Oxidation (PA)	%	■ 54	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 43	---	---	---
Sulfation (PA)	%	■ 51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.7	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 0	---	---	---

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. Light fuel dilution occurring. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

WEAR METALS

Iron	ppm	■ 5	---	---	---
Copper	ppm	■ 25	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 55	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 1083	---	---	---
Magnesium	ppm	■ 910	---	---	---
Zinc	ppm	■ 1180	---	---	---
Phosphorus	ppm	■ 1046	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 13	---	---	---

Depot: VP1088679
Unique No: 10913297
Signed: Sean Felton
Report Date: 08 Mar 2024

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GRAPHS

