

OIL ANALYSIS REPORT

VOLVO PENTA

BOLDING VOLVO PENTA 7011471209 - STARBOARD DIESEL ENGINE

Sample No: VPA059396

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059396	VPA047045	---	---
Sample Date	22 Apr 2024	13 Dec 2023	---	---
Machine Hours	420	332	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---

SUNCOAST DIESEL MARINE

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

OIL CONDITION

Visc @ 100°C	cSt	█ 12.55	▲ 11.9	---	---
Base Number (BN)	mg KOH/g	█ 9.1	█ 9.0	---	---
Oxidation (PA)	%	59	62	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.4	---	---
Nitration (PA)	%	54	63	---	---
Sulfation (PA)	%	55	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	█ 1.0	▲ 4.5	---	---
Silicon	ppm	█ 4	█ 9	---	---
Sodium	ppm	█ 1	█ 0	---	---
Potassium	ppm	█ 0	█ 0	---	---

WEAR METALS

Iron	ppm	█ 6	█ 17	---	---
Copper	ppm	█ 20	█ 34	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ 1	---	---
Aluminum	ppm	█ 0	█ 1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 65	█ 60	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1230	█ 1020	---	---
Magnesium	ppm	█ 1034	█ 943	---	---
Zinc	ppm	█ 1416	█ 1272	---	---
Phosphorus	ppm	█ 1153	█ 1070	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 2	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VP705283
Unique No: 10995034
Signed: Jonathan Hester
Report Date: 24 Apr 2024

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GRAPHS

