

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 70112017544 - STARBOARD DIESEL ENGINE

Sample No: VPA055997

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA055997	---	---	---
Sample Date	16 Apr 2024	---	---	---
Machine Hours	211	---	---	---
Oil Hours	40	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	54	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	45	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 1	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 63	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1206	---	---	---
Magnesium	ppm	█ 806	---	---	---
Zinc	ppm	█ 1237	---	---	---
Phosphorus	ppm	█ 1057	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 14	---	---	---

MARINE DIESEL SERVICES INC

1711 WHITTIER AVE, SUITE B

COSTA MESA, CA

US 92627

Contact: BEN ALMAZAN

marinedieselservices@outlook.com;BEN@MARINEDIESELSERVICE.COM

T: (949)612-8180

F: x:

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 acceptable for the time in service.

Depot: VP288530

Unique No: 10981782

Signed: Sean Felton

Report Date: 19 Apr 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

