

OIL ANALYSIS REPORT

VOLVO PENTA

EPIC VOLVO PENTA A1119005 - STARBOARD DIESEL ENGINE

Sample No: VPA049955

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA049955	---	---	---
Sample Date	09 Oct 2023	---	---	---
Machine Hours	483	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G

DAVIE, FL

US 33314

Contact: ASHANTI BURKE

aburke@midiflorida.com

T: (954)761-1086

F: (954)761-1186

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 9.8	---	---	---
Oxidation (PA)	%	53	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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.

CONTAMINATION

Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1036	---	---	---
Magnesium	ppm	█ 1003	---	---	---
Zinc	ppm	█ 1318	---	---	---
Phosphorus	ppm	█ 1061	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VP694356

Unique No: 10709765

Signed: Jonathan Hester

Report Date: 25 Oct 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

