

OIL ANALYSIS REPORT

VOLVO PENTA

JUAN VALDEZ VOLVO PENTA A1235132 - STARBOARD DIESEL ENGINE

Sample No: VPA053316

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA053316	---	---	---
Sample Date	06 Jun 2024	---	---	---
Machine Hours	7	---	---	---
Oil Hours	7	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

CY MARINE LLC

3821 NW 135th ST, SUITE F
OPA LOCKA, FL
US 33054
Contact: CAMERON MEDINA
cymarinellc@gmail.com
T: (954)702-8096
F: x:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 6.5	---	---	---
Oxidation (PA)	%	52	---	---	---

Diagnosis

No corrective action is recommended at this time. 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 acceptable for the time in service.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 72	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2268	---	---	---
Magnesium	ppm	95	---	---	---
Zinc	ppm	█ 1277	---	---	---
Phosphorus	ppm	█ 1075	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 73	---	---	---

Depot: VPCYMPOM
Unique No: 11069859
Signed: Sean Felton
Report Date: 11 Jun 2024

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GRAPHS

