

OIL ANALYSIS REPORT

VOLVO PENTA

MORALES MORALES VOLVO PENTA A1085758 - PORT DIESEL ENGINE

Sample No: VPA056716

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA056716	---	---	---
Sample Date	12 Oct 2023	---	---	---
Machine Hours	208	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	44	---	---	---

CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	44	---	---	---
Sulfation (PA)	%	46	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1790	---	---	---
Magnesium	ppm	406	---	---	---
Zinc	ppm	█ 1100	---	---	---
Phosphorus	ppm	█ 797	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 39	---	---	---

Gary Wood's Marine Inc
3469 SW Palm City School Ave #A
PALM CITY, FL
US 34990
Contact: SAM SHERRILL
sam@garywoodsmarine.com
T: (772)287-6093
F: (772)287-7134

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.

Depot: VP152567
Unique No: 10696626
Signed: Sean Felton
Report Date: 17 Oct 2023

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GRAPHS

