

OIL ANALYSIS REPORT

VOLVO PENTA

BRAD HARMON TIARA BRAD HARMON (S/N NOT GIVEN) - PORT DIESEL ENGINE

Sample No: VPA036370
Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA036370	---	---	---
Sample Date	19 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Steve's Marine Service West

255 S. Ketcham Ave.
AMITYVILLE, NY
US 11701
Contact: Steven Stavracos
steve@stevesmarine.com
T: (631)264-1600
F: (631).26-4.1601

OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	57	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	47	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 18	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 15	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 50	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1245	---	---	---
Magnesium	ppm	█ 743	---	---	---
Zinc	ppm	█ 1188	---	---	---
Phosphorus	ppm	█ 985	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 35	---	---	---

Depot: VP610610
Unique No: 10751238
Signed: Sean Felton
Report Date: 21 Nov 2023

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GRAPHS

