

OIL ANALYSIS REPORT

VOLVO PENTA

DOUG TAYLOR VOLVO PENTA VOLVO PENTA D-4 - DOUG TAYLOR (S/N NOT GIVEN) - STARBOARD DIESEL ENGINE

Sample No: VPA045717

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA045717	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	246	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

FDDA TAMPA

TAMPA, FL

US

Contact: KYLE SUTLEY

k.sutley@ssss.com

T: (813)918-8518

F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	62	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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.

CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 40	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 6	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 39	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 56	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1202	---	---	---
Magnesium	ppm	█ 923	---	---	---
Zinc	ppm	█ 1315	---	---	---
Phosphorus	ppm	█ 1052	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 9	---	---	---

Depot: VP208641

Unique No: 10605774

Signed: Don Baldrige

Report Date: 17 Aug 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

