

OIL ANALYSIS REPORT

**VOLVO
PENTA**

DETROIT DETROIT 6-71TBT485HP - PORT DIESEL ENGINE

Sample No: VPA036376

Oil Type: SHELL ROTELLA T 40

SAMPLE INFORMATION

Sample Number	VPA036376	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	100	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	28	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	39	---	---	---
Sulfation (PA)	%	40	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	▲ 285	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	▲ 25	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 118	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2652	---	---	---
Magnesium	ppm	█ 107	---	---	---
Zinc	ppm	█ 1141	---	---	---
Phosphorus	ppm	█ 991	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

BEST MARINE

24 RIVERVIEW AVE

TARRYTOWN, NY

US 10591

Contact: PETE ROESTENBERG

PETEMARINE27@OUTLOOK.COM

T: (516)807-5340

F:

Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VPBESTAR

Unique No: 10823147

Signed: Doug Bogart

Report Date: 11 Jan 2024

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRAPHS

