

OIL ANALYSIS REPORT

**VOLVO
PENTA**

SVENDSENS BAY MARINE JOHN DEERE RG6135L040310 - PORT DIESEL ENGINE

Sample No: VPA047594

Oil Type: JOHN DEERE ENGINE OIL PLUS 50 II 15W40

SAMPLE INFORMATION

Sample Number	VPA047594	---	---	---
Sample Date	07 Jun 2023	---	---	---
Machine Hours	414	---	---	---
Oil Hours	194	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 11.4	---	---	---
Base Number (BN)	mg KOH/g	■ 9.4	---	---	---
Oxidation (PA)	%	55	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 5.9	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 14	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 233	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1270	---	---	---
Magnesium	ppm	■ 738	---	---	---
Zinc	ppm	■ 952	---	---	---
Phosphorus	ppm	■ 803	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 273	---	---	---

Bay Marine Boatworks Inc.
310 West Cutting Blvd.
RICHMOND, CA
US 94804
Contact: Chris Weaver
cweaver@baymaritime.com
T:
F:

Diagnosis

We advise that you check the fuel injection system. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity.

Depot: VP601779
Unique No: 10511477
Signed: Doug Bogart
Report Date: 14 Jun 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

