

OIL ANALYSIS REPORT

VOLVO PENTA

B & D RECYCLINE R20603783 VOLVO PENTA 70005366631 - INDUSTRIAL ENGINE-VARIABLE SPEED - DIESEL ENGINE

Sample No: VPA055348

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA055348	---	---	---
Sample Date	22 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	MARGINAL	---	---	---

WESTERN BRANCH DIESEL

6881 BULLDOG DR N

CHARLESTON, SC

US 29406

Contact: MICHAEL JORDAN

mdjordan@wbdiesel.com

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	61	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	57	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 29	---	---	---
Sodium	ppm	█ 32	---	---	---
Potassium	ppm	█ 12	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. No other contaminants were detected 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.

WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 47	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1487	---	---	---
Magnesium	ppm	█ 637	---	---	---
Zinc	ppm	█ 1192	---	---	---
Phosphorus	ppm	█ 919	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 35	---	---	---

Depot: VP1165983

Unique No: 10806566

Signed: Doug Bogart

Report Date: 28 Dec 2023

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GRAPHS

