

OIL ANALYSIS REPORT

VOLVO PENTA

KURTZ NBF VOLVO PENTA A933991 - PORT DIESEL ENGINE

Sample No: VPA053227

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA053227	---	---	---
Sample Date	16 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	50	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	67	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 71	---	---	---
Potassium	ppm	█ 7	---	---	---

WEAR METALS

Iron	ppm	▲ 239	---	---	---
Copper	ppm	█ 26	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	▲ 72	---	---	---
Chromium	ppm	▲ 18	---	---	---
Molybdenum	ppm	█ 66	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 2	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1168	---	---	---
Magnesium	ppm	█ 962	---	---	---
Zinc	ppm	█ 1291	---	---	---
Phosphorus	ppm	█ 1179	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

Fordham Marine Services Inc
1336 University Blvd N
DO NOT USE, FL
US 32211-5226
Contact: Nelson Beau Fordham Jr
beaufordham@aol.com
T:
F:

Diagnosis

We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Piston, ring and cylinder wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP152512
Unique No: 10982784
Signed: Jonathan Hester
Report Date: 23 Apr 2024

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GRAPHS

