

OIL ANALYSIS REPORT



JON BEASLEY 506147 VOLVO PENTA 2006022718 - PORT DIESEL ENGINE

Sample No: VPA053144

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

SAMPLE INFORMATION

Sample Number	VPA053144	VPA045976	---	---
Sample Date	17 Apr 2024	28 Mar 2023	---	---
Machine Hours	326	293	---	---
Oil Hours	35	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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 24400 Jefferson Ave.
 SAINT CLAIR SHORES, MI
 US 48080
 Contact: DENNIS BUTT
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 T: (866)490-5297
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OIL CONDITION

Visc @ 100°C	cSt	14.1	13.5	---	---
Base Number (BN)	mg KOH/g	9.5	9.9	---	---
Oxidation (PA)	%	63	62	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0.2	---	---
Nitration (PA)	%	60	58	---	---
Sulfation (PA)	%	54	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	5	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	0	<1	---	---

Diagnosis

No corrective action is recommended at this time. 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.

WEAR METALS

Iron	ppm	14	8	---	---
Copper	ppm	6	5	---	---
Lead	ppm	1	1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	60	61	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1065	1058	---	---
Magnesium	ppm	948	996	---	---
Zinc	ppm	1186	1265	---	---
Phosphorus	ppm	1016	1012	---	---
Barium	ppm	0	0	---	---
Boron	ppm	4	5	---	---

Depot: VP297371
Unique No: 10990937
Signed: Sean Felton
Report Date: 24 Apr 2024

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GRAPHS

