

OIL ANALYSIS REPORT



JOE FUSCO JOE FUSCO VOLVO PENTA A414377 - PORT DIESEL ENGINE

Sample No: VPA012854

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

SAMPLE INFORMATION

Sample Number	VPA012854	VPA028999	---	---
Sample Date	30 Mar 2024	30 Sep 2020	---	---
Machine Hours	609	321	---	---
Oil Hours	109	40	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

Lockwood Boat Works Inc
 1825 Highway 35, Morgan
 SOUTH AMBOY, NJ
 US 08879
 Contact: Ellen Lockwood
 ellen@lockwoodboatworks.com;maryann@lockwoodboatworks.com
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 F:

OIL CONDITION

Visc @ 100°C	cSt	15.6	13.8	---	---
Base Number (BN)	mg KOH/g	11.6	---	---	---
Oxidation (PA)	%	68	58	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.5	0.3	---	---
Nitration (PA)	%	63	48	---	---
Sulfation (PA)	%	57	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	10	4	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	<1	<1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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	18	11	---	---
Copper	ppm	4	3	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	4	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	54	61	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1558	1000	---	---
Magnesium	ppm	930	897	---	---
Zinc	ppm	1407	1155	---	---
Phosphorus	ppm	998	972	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	23	5	---	---

Depot: VP153187
Unique No: 10955659
Signed: Don Baldrige
Report Date: 04 Apr 2024

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VOLVO PENTA

GRAPHS

