

OIL ANALYSIS REPORT



JON BEASLEY 506147 CUMMINS B080158675 - GENSET

Sample No: VPA053143

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

SAMPLE INFORMATION

Sample Number	VPA053143	VPA045977	---	---
Sample Date	17 Apr 2024	28 Mar 2023	---	---
Machine Hours	136	102	---	---
Oil Hours	34	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Jefferson Beach Yacht Sales Inc
 24400 Jefferson Ave.
 SAINT CLAIR SHORES, MI
 US 48080
 Contact: DENNIS BUTT
 dbutt@jbys.com
 T: (866)490-5297
 F:

OIL CONDITION

Visc @ 100°C	cSt	13.7	13.5	---	---
Base Number (BN)	mg KOH/g	9.8	10.0	---	---
Oxidation (PA)	%	55	61	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.2	---	---
Nitration (PA)	%	42	58	---	---
Sulfation (PA)	%	49	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	6	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	0	2	---	---

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	8	9	---	---
Copper	ppm	<1	6	---	---
Lead	ppm	<1	2	---	---
Tin	ppm	2	<1	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	56	63	---	---
Nickel	ppm	0	1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1037	1155	---	---
Magnesium	ppm	928	968	---	---
Zinc	ppm	1159	1282	---	---
Phosphorus	ppm	976	1114	---	---
Barium	ppm	0	0	---	---
Boron	ppm	6	6	---	---

Depot: VP297371
Unique No: 10990938
Signed: Sean Felton
Report Date: 24 Apr 2024

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VOLVO PENTA

GRAPHS

