

OIL ANALYSIS REPORT

VOLVO PENTA

JACK WUENSCH 43295 VOLVO PENTA A1006522 - STARBOARD DIESEL ENGINE

Sample No: VPA056020

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

SAMPLE INFORMATION

Sample Number	VPA056020	VPA041925	---	---
Sample Date	06 Jul 2023	20 Sep 2022	---	---
Machine Hours	697	586	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	█ 13.3	---	---
Base Number (BN)	mg KOH/g	█ 10.2	█ 10.8	---	---
Oxidation (PA)	%	57	61	---	---

CONTAMINATION

Soot %	%	█ 0.5	█ 0.3	---	---
Nitration (PA)	%	53	57	---	---
Sulfation (PA)	%	54	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 5	---	---
Sodium	ppm	█ 3	█ 2	---	---
Potassium	ppm	█ <1	█ <1	---	---

WEAR METALS

Iron	ppm	█ 17	█ 10	---	---
Copper	ppm	█ 6	█ 5	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 1	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 58	█ 60	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1083	█ 1076	---	---
Magnesium	ppm	█ 986	█ 978	---	---
Zinc	ppm	█ 1289	█ 1293	---	---
Phosphorus	ppm	█ 1034	█ 1069	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 4	█ 2	---	---

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD
CHARLESTON, SC
US 29403
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T:
F:

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 suitable for further service.

Depot: VP568144
Unique No: 10559716
Signed: Don Baldrige
Report Date: 17 Jul 2023

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GRAPHS

