

OIL ANALYSIS REPORT

VOLVO PENTA

ROGER CONDO 42881 VOLVO PENTA 7008488106 - STARBOARD DIESEL ENGINE

Sample No: VPA043104

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

SAMPLE INFORMATION

Sample Number	VPA043104	VPA047476	---	---
Sample Date	01 Nov 2023	20 Mar 2023	---	---
Machine Hours	471	366	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	13.0	13.2	---	---
Base Number (BN)	mg KOH/g	9.9	9.9	---	---
Oxidation (PA)	%	55	58	---	---

CONTAMINATION

Soot %	%	0.3	0.4	---	---
Nitration (PA)	%	47	53	---	---
Sulfation (PA)	%	53	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	10	11	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	2	<1	---	---

WEAR METALS

Iron	ppm	9	13	---	---
Copper	ppm	39	60	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	61	58	---	---
Nickel	ppm	2	1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1038	1138	---	---
Magnesium	ppm	927	914	---	---
Zinc	ppm	1197	1213	---	---
Phosphorus	ppm	1113	1030	---	---
Barium	ppm	5	2	---	---
Boron	ppm	1	5	---	---

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

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T:

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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: 10728553

Signed: Sean Felton

Report Date: 08 Nov 2023

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GRAPHS

