

OIL ANALYSIS REPORT

VOLVO PENTA

RUSSELL RUSSELL ONAN J150885005 - GENSET

Sample No: VPA058251

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA058251	VPA037948	VPA026244	---
Sample Date	28 Jun 2024	27 Jan 2022	28 Sep 2020	---
Machine Hours	388	0	443	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Suncoast Diesel Marine Inc.

610 Mount Vernan St

OLDSMAR, FL

US 34677

Contact: MARK WARREN

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OIL CONDITION

Visc @ 100°C	cSt	12.4	13.1	13.0	---
Base Number (BN)	mg KOH/g	7.5	10.5	---	---
Oxidation (PA)	%	61	62	70	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.2	---
Nitration (PA)	%	57	52	56	---
Sulfation (PA)	%	56	57	62	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	1.1	<1.0	<1.0	---
Silicon	ppm	7	7	8	---
Sodium	ppm	2	3	2	---
Potassium	ppm	<1	<1	<1	---

WEAR METALS

Iron	ppm	5	4	4	---
Copper	ppm	2	11	1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	1	<1	4	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	83	63	109	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	1	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	1468	1071	1507	---
Magnesium	ppm	539	841	637	---
Zinc	ppm	1301	972	822	---
Phosphorus	ppm	1058	963	713	---
Barium	ppm	<1	0	0	---
Boron	ppm	283	65	302	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: VP945077

Unique No: 11112860

Signed: Angela Borella

Report Date: 10 Jul 2024

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GRAPHS

