

OIL ANALYSIS REPORT



0609 VOLVO PENTA A711550 - STARBOARD DIESEL ENGINE

Sample No: VPA057411
Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA057411	---	---	---
Sample Date	19 Mar 2024	---	---	---
Machine Hours	534	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Sun Power Diesel & Marine
 833 NE 3Rd Ave
 DANIA BEACH, FL
 US 33004
 Contact: SCOTT
 scott@sunpowermarine.com
 T: (954)237-2200
 F: (954)237-2222

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 10.1	---	---	---
Oxidation (PA)	%	55	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	39	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	█ 5	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 61	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1106	---	---	---
Magnesium	ppm	█ 944	---	---	---
Zinc	ppm	█ 1204	---	---	---
Phosphorus	ppm	█ 959	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 4	---	---	---

Depot: VP154386
Unique No: 10939497
Signed: Sean Felton
Report Date: 25 Mar 2024

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**VOLVO
PENTA**

GRAPHS

