

OIL ANALYSIS REPORT

VOLVO PENTA

DUTTON DUTTON VOLVO PENTA 2013355960 - PORT DIESEL ENGINE

Sample No: VPA039821
Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA039821	---	---	---
Sample Date	12 Jan 2024	---	---	---
Machine Hours	939	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Suncoast Diesel Marine Inc.
610 Mount Vernan St
OLDSMAR, FL
US 34677
Contact: MARK WARREN
oldsmar@suncoastdmi.com
T: (813)475-5942
F: (813)475-5943

OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 7.6	---	---	---
Oxidation (PA)	%	53	---	---	---

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 acceptable for the time in service.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	49	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 11	---	---	---
Potassium	ppm	█ 16	---	---	---

WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 78	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1429	---	---	---
Magnesium	ppm	█ 458	---	---	---
Zinc	ppm	█ 1255	---	---	---
Phosphorus	ppm	█ 1078	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 237	---	---	---

Depot: VP945077
Unique No: 10834646
Signed: Don Baldrige
Report Date: 19 Jan 2024

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GRAPHS

