

OIL ANALYSIS REPORT

VOLVO PENTA

A829329 - STARBOARD DIESEL ENGINE

Sample No: VPA039704

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA039704	VPA040534	---	---
Sample Date	31 Jul 2023	29 Dec 2021	---	---
Machine Hours	421	239	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	█ 13.0	---	---
Base Number (BN)	mg KOH/g	█ 9.9	█ 10.5	---	---
Oxidation (PA)	%	60	60	---	---

CONTAMINATION

Soot %	%	█ 0.8	█ 0.1	---	---
Nitration (PA)	%	63	48	---	---
Sulfation (PA)	%	57	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 5	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ 2	█ 0	---	---

WEAR METALS

Iron	ppm	█ 25	█ 9	---	---
Copper	ppm	█ 15	█ 3	---	---
Lead	ppm	█ 4	█ 2	---	---
Tin	ppm	█ 1	█ <1	---	---
Aluminum	ppm	█ 3	█ <1	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 62	█ 49	---	---
Nickel	ppm	█ 3	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1080	█ 1029	---	---
Magnesium	ppm	█ 959	█ 810	---	---
Zinc	ppm	█ 1226	█ 1078	---	---
Phosphorus	ppm	█ 1032	█ 889	---	---
Barium	ppm	█ 2	█ 1	---	---
Boron	ppm	█ <1	█ 7	---	---

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2

NAPLES, FL

US 34104

Contact: KEITH SPICER

keith_advanceddiesel@yahoo.com

T: (239)580-8731

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: VPADVNP

Unique No: 10586111

Signed: Jonathan Hester

Report Date: 03 Aug 2023

OIL ANALYSIS REPORT



GRAPHS

