

OIL ANALYSIS REPORT

VOLVO PENTA

GRAZIANO VOLVO PENTA A1092488 - STARBOARD DIESEL ENGINE

Sample No: VPA054224

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA054224	VPA045286	---	---
Sample Date	03 Jun 2024	29 Aug 2022	---	---
Machine Hours	586	458	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	█ 14.5	---	---
Base Number (BN)	mg KOH/g	█ 9.5	█ 8.9	---	---
Oxidation (PA)	%	57	70	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.6	---	---
Nitration (PA)	%	48	71	---	---
Sulfation (PA)	%	52	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 1	█ 2	---	---
Potassium	ppm	█ 3	█ 3	---	---

WEAR METALS

Iron	ppm	█ 17	█ 27	---	---
Copper	ppm	█ 6	█ 11	---	---
Lead	ppm	█ 3	█ 7	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ 4	█ 6	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 54	█ 6	---	---
Nickel	ppm	█ 2	█ 3	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1259	█ 2062	---	---
Magnesium	ppm	█ 869	█ 90	---	---
Zinc	ppm	█ 1267	█ 1156	---	---
Phosphorus	ppm	█ 1117	█ 974	---	---
Barium	ppm	█ 1	█ 0	---	---
Boron	ppm	█ 21	█ 165	---	---

SUNCOAST DIESEL MARINE

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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: VP705283
Unique No: 11071569
Signed: Sean Felton
Report Date: 12 Jun 2024

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GRAPHS

