

OIL ANALYSIS REPORT

VOLVO PENTA

GOODESS II 15764 VOLVO PENTA A1204975 - STARBOARD DIESEL ENGINE

Sample No: VPA051243
Oil Type: VALVOLINE 15W40

SAMPLE INFORMATION

Sample Number	VPA051243	---	---	---
Sample Date	21 May 2024	---	---	---
Machine Hours	243	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 7.3	---	---	---
Oxidation (PA)	%	62	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 56	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1120	---	---	---
Magnesium	ppm	918	---	---	---
Zinc	ppm	█ 1225	---	---	---
Phosphorus	ppm	█ 1052	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	6	---	---	---

PARTS & POWER

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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 acceptable for the time in service.

Depot: VP981217
Unique No: 11060597
Signed: Don Baldrige
Report Date: 05 Jun 2024

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GRAPHS

