

OIL ANALYSIS REPORT

VOLVO PENTA

3711/GT50-01 VOLVO PENTA 7008446813 - STARBOARD DIESEL ENGINE

Sample No: VPA054954

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA054954	---	---	---
Sample Date	03 May 2024	---	---	---
Machine Hours	1531	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	---	---	---
Base Number (BN)	mg KOH/g	█ 9.1	---	---	---
Oxidation (PA)	%	65	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	█ 69	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 43	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 4	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1671	---	---	---
Magnesium	ppm	█ 449	---	---	---
Zinc	ppm	█ 1224	---	---	---
Phosphorus	ppm	█ 1120	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 49	---	---	---

GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

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Diagnosis

No corrective action is recommended at this time. 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: VP531377

Unique No: 11022887

Signed: Sean Felton

Report Date: 14 May 2024

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GRAPHS

