

OIL ANALYSIS REPORT

VOLVO PENTA

LEACH VOLVO PENTA 2006038741 - STARBOARD DIESEL ENGINE

Sample No: VPA036751

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

SAMPLE INFORMATION

Sample Number	VPA036751	---	---	---
Sample Date	16 Nov 2023	---	---	---
Machine Hours	1045	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 8.3	---	---	---
Oxidation (PA)	%	70	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 8	---	---	---

WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 10	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1994	---	---	---
Magnesium	ppm	█ 145	---	---	---
Zinc	ppm	█ 1143	---	---	---
Phosphorus	ppm	█ 1004	---	---	---
Barium	ppm	█ 9	---	---	---
Boron	ppm	184	---	---	---

FULL KEEL MARINE SERVICES
314 LEGION AVE
ANNAPOLIS, MD
US 21401
Contact: Service Manager
FULLKEELMARINESERVICES@GMAIL.COM
T: (410)507-3542
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 acceptable for the time in service.

Depot: VP1298996
Unique No: 10752364
Signed: Don Baldrige
Report Date: 22 Nov 2023

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GRAPHS

