

OIL ANALYSIS REPORT

VOLVO PENTA

D6-435 (S/N NOT GIVEN) - STARBOARD DIESEL ENGINE

Sample No: VPA042528

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION

Sample Number	VPA042528	---	---	---
Sample Date	18 Sep 2023	---	---	---
Machine Hours	530	---	---	---
Oil Hours	165	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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1645 TRAILHEAD TER

HOLLYWOOD, FL

US 33021

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 10.7	---	---	---
Oxidation (PA)	%	64	---	---	---

CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ < 1	---	---	---

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.

WEAR METALS

Iron	ppm	█ 29	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 83	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1774	---	---	---
Magnesium	ppm	█ 1251	---	---	---
Zinc	ppm	█ 1780	---	---	---
Phosphorus	ppm	█ 1463	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VPBRIHOL

Unique No: 10656949

Signed: Jonathan Hester

Report Date: 21 Sep 2023

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GRAPHS

