

OIL ANALYSIS REPORT

VOLVO PENTA

LA PUNKI 30630 VOLVO PENTA 7008434788 - STARBOARD DIESEL ENGINE

Sample No: VPA035166

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

SAMPLE INFORMATION

Sample Number	VPA035166	---	---	---
Sample Date	22 May 2024	---	---	---
Machine Hours	572	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

ANTILLES POWER

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 10.0	---	---	---
Oxidation (PA)	%	76	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 2	---	---	---
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	█ 25	---	---	---
Copper	ppm	█ 26	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 37	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1725	---	---	---
Magnesium	ppm	455	---	---	---
Zinc	ppm	█ 931	---	---	---
Phosphorus	ppm	█ 784	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 41	---	---	---

Depot: VP980886
Unique No: 11075927
Signed: Don Baldrige
Report Date: 14 Jun 2024

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GRAPHS

