

OIL ANALYSIS REPORT

VOLVO PENTA

VOLKSWAGEN 3VWPL7AJ8AM647182 - DIESEL ENGINE

Sample No: VPA060367

Oil Type: CASTROL SYNTEC FULL SYN SAE 0W30

SAMPLE INFORMATION

Sample Number	VPA060367	---	---	---
Sample Date	13 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

SMART DIESEL SERVICE

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OIL CONDITION

Visc @ 100°C	cSt	█ 10.8	---	---	---
Base Number (BN)	mg KOH/g	█ 6.7	---	---	---
Oxidation (PA)	%	59	---	---	---

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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	81	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 14	---	---	---

WEAR METALS

Iron	ppm	█ 25	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 15	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 23	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1455	---	---	---
Magnesium	ppm	█ 290	---	---	---
Zinc	ppm	█ 817	---	---	---
Phosphorus	ppm	█ 634	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 219	---	---	---

Depot: VPSMAPLA

Unique No: 10939501

Signed: Jonathan Hester

Report Date: 22 Mar 2024

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GRAPHS

