

OIL ANALYSIS REPORT



AOS AOS VOLVO PENTA 10132222363 - PORT DIESEL ENGINE

Sample No: VPA054430
Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION

Sample Number	VPA054430	---	---	---
Sample Date	12 Apr 2024	---	---	---
Machine Hours	246	---	---	---
Oil Hours	246	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Power Products Systems LLC
 90 Bay State Road
 WAKEFIELD, MA
 US 01880
 Contact: ERIC JELLISON
 ejellison@nedda.com
 T: (781)831-8924
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	63	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 11	---	---	---

WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 64	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1455	---	---	---
Magnesium	ppm	987	---	---	---
Zinc	ppm	█ 1441	---	---	---
Phosphorus	ppm	█ 1192	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VP153550
Unique No: 10994109
Signed: Angela Borella
Report Date: 25 Apr 2024

OIL ANALYSIS REPORT



GRAPHS

