

OIL ANALYSIS REPORT

VOLVO PENTA

RAJ 8158 VOLVO PENTA RAJ (S/N NOT GIVEN) - PORT DIESEL ENGINE

Sample No: VPA029641

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

SAMPLE INFORMATION

Sample Number	VPA029641	---	---	---
Sample Date	19 Jul 2023	---	---	---
Machine Hours	1750	---	---	---
Oil Hours	150	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Johnson & Towers, Inc

2021 Briggs Road
MT.LAUREL, NJ
US 08054
Contact: BRENT BUZBY
BBUZBY@JOHNSONTOWERS.COM
T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	---	---	---
Base Number (BN)	mg KOH/g	█ 10.9	---	---	---
Oxidation (PA)	%	49	---	---	---

CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	57	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 13	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	3204	---	---	---
Magnesium	ppm	█ 206	---	---	---
Zinc	ppm	█ 1226	---	---	---
Phosphorus	ppm	█ 1024	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 19	---	---	---

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: VP855105
Unique No: 10566550
Signed: Sean Felton
Report Date: 25 Jul 2023

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GRAPHS

