

OIL ANALYSIS REPORT

**VOLVO
PENTA**

VOLVO PENTA 7012465747 - PORT DIESEL ENGINE

Sample No: VPA048477

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

SAMPLE INFORMATION

Sample Number	VPA048477	---	---	---
Sample Date	23 Aug 2022	---	---	---
Machine Hours	1085	---	---	---
Oil Hours	1085	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

W J Clark Inc
4517 Dunning Road
NORFOLK, VA
US 23518
Contact: WALTER CLARK
ychtfixer@aol.com
T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 11.2	---	---	---
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

Soot %	%	█ 0.8	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 62	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1088	---	---	---
Magnesium	ppm	█ 951	---	---	---
Zinc	ppm	█ 1313	---	---	---
Phosphorus	ppm	█ 1102	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VP151520
Unique No: 10111126
Signed: Don Baldrige
Report Date: 27 Aug 2022

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GRAPHS

