

OIL ANALYSIS REPORT



VOLVO PENTA 7008464706 - PORT DIESEL ENGINE

Sample No: VPA053249
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA053249	VPA047611	---	---
Sample Date	16 Apr 2024	17 Apr 2023	---	---
Machine Hours	305	230	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

FDDA FT PIERCE - POWER CENTER

FORT PIERCE, FL
 US
 Contact: KYLE GRASER
 k.graser@kirbycorp.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	█ 13.3	---	---
Base Number (BN)	mg KOH/g	█ 10.0	█ 10.1	---	---
Oxidation (PA)	%	55	55	---	---

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	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	42	42	---	---
Sulfation (PA)	%	51	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 10	█ 12	---	---
Sodium	ppm	█ 1	█ 1	---	---
Potassium	ppm	█ <1	█ <1	---	---

WEAR METALS

Iron	ppm	█ 4	█ 13	---	---
Copper	ppm	█ 7	█ 9	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ <1	█ 0	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 60	█ 58	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1105	█ 1076	---	---
Magnesium	ppm	█ 1009	█ 991	---	---
Zinc	ppm	█ 1287	█ 1266	---	---
Phosphorus	ppm	█ 1107	█ 1082	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 1	█ 0	---	---

Depot: VP208659
Unique No: 10992752
Signed: Jonathan Hester
Report Date: 25 Apr 2024

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GRAPHS

