

OIL ANALYSIS REPORT

VOLVO PENTA

KENNEDY HS VOLVO PENTA KENNEDY (S/N N/A) - CENTER DIESEL ENGINE

Sample No: VPA044067

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

SAMPLE INFORMATION

Sample Number	VPA044067	---	---	---
Sample Date	01 Jul 2023	---	---	---
Machine Hours	299	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

Point Judith Marina

360 Gooseberry Road
WAKEFIELD, RI
US 02879

Contact: MATT ST. ANGELO
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OIL CONDITION

Visc @ 100°C	cSt	█ 16.6	---	---	---
Base Number (BN)	mg KOH/g	█ 6.9	---	---	---
Oxidation (PA)	%	█ 87	---	---	---

CONTAMINATION

Soot %	%	█ 2.7	---	---	---
Nitration (PA)	%	█ 112	---	---	---
Sulfation (PA)	%	█ 78	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 24	---	---	---
Potassium	ppm	█ 11	---	---	---

WEAR METALS

Iron	ppm	█ 65	---	---	---
Copper	ppm	▲ 195	---	---	---
Lead	ppm	▲ 20	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	▲ 18	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 2504	---	---	---
Magnesium	ppm	█ 44	---	---	---
Zinc	ppm	█ 1373	---	---	---
Phosphorus	ppm	█ 983	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 107	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP153811
Unique No: 10576300
Signed: Doug Bogart
Report Date: 30 Jul 2023

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GRAPHS

