

OIL ANALYSIS REPORT

VOLVO PENTA

ROWE TAP352403 ONAN ONAN - ROWE (S/N NOT GIVEN) - CENTER GENSET

Sample No: VPA034656

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

SAMPLE INFORMATION

Sample Number	VPA034656	---	---	---
Sample Date	19 Apr 2021	---	---	---
Machine Hours	457	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

FDDA TAMPA

TAMPA, FL
US
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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Oxidation (PA)	%	73	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 7	---	---	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 15	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	1	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 2000	---	---	---
Magnesium	ppm	█ 228	---	---	---
Zinc	ppm	█ 1231	---	---	---
Phosphorus	ppm	█ 998	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	145	---	---	---

Depot: VP208641
Unique No: 9475344
Signed: Don Baldrige
Report Date: 26 Apr 2021

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GRAPHS

