

OIL ANALYSIS REPORT



1792 ONAN D050777704 - CENTER GENSET

Sample No: VPA060384

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA060384	---	---	---
Sample Date	08 Feb 2024	---	---	---
Machine Hours	3106	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

SMART DIESEL SERVICE

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.07	---	---	---
Base Number (BN)	mg KOH/g	█ 10.2	---	---	---
Oxidation (PA)	%	33	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	45	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.1	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. No other contaminants were detected 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.

WEAR METALS

Iron	ppm	█ 45	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 6	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1331	---	---	---
Magnesium	ppm	█ 1208	---	---	---
Zinc	ppm	█ 1371	---	---	---
Phosphorus	ppm	█ 1145	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VPSMAPLA
Unique No: 10873949
Signed: Doug Bogart
Report Date: 12 Feb 2024

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VOLVO PENTA

GRAPHS

