



CONSTRUCTION EQUIPMENT

G08782 COVANTA CAMD VOLVO L180H 5262 - DIESEL ENGINE



Sample No: VCP437101
Oil Type: {unknown}
Job No: G08782 COVANTA CAMD



SAMPLE INFORMATION

Sample Number	VCP437101	---	---	---
Sample Date	15 May 2024	---	---	---
Machine Hours	7522	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 7.44	---	---	---
Base Number (BN)	mg KOH/g	■ 8.2	---	---	---
Oxidation (PA)	%	■ 49	---	---	---

Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. The copper level is abnormal. All other component wear rates are normal. There is a high amount of fuel present in the oil. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.



CONTAMINATION

Water	%	▲ 0.306	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 50	---	---	---
Sulfation (PA)	%	■ 46	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	▲ 22.6	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 3	---	---	---
Copper	ppm	▲ 27	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 47	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 859	---	---	---
Magnesium	ppm	■ 691	---	---	---
Zinc	ppm	■ 927	---	---	---
Phosphorus	ppm	■ 800	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 2	---	---	---

Depot: VOLVO8880
Unique No: 11035277
Signed: Jonathan Hester
Report Date: 29 May 2024



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GRAPHS

