



CONSTRUCTION EQUIPMENT

562094 COVANTA VOLVO L220H 3339 - DIESEL ENGINE



Sample No: VCP450707
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 562094 COVANTA



SAMPLE INFORMATION

Sample Number	VCP450707	---	---	---
Sample Date	21 May 2024	---	---	---
Machine Hours	9447	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY

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 DAVIE, FL
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	▲ 3.4	---	---	---
Oxidation (PA)	%	135	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Elemental level of silicon (Si) above normal. The BN level is low. The oil is no longer serviceable due to the presence of contaminants.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	123	---	---	---
Sulfation (PA)	%	84	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 138	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 59	---	---	---
Copper	ppm	█ 21	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 64	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1417	---	---	---
Magnesium	ppm	█ 478	---	---	---
Zinc	ppm	█ 1200	---	---	---
Phosphorus	ppm	█ 910	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 16	---	---	---

Depot: VOLVO0095
Unique No: 11057087
Signed: Don Baldrige
Report Date: 31 May 2024



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GRAPHS

