



CONSTRUCTION EQUIPMENT

63050 3D EX VOLVO 220DL 210112 - BOGIE/CENTER LEFT FINAL DRIVE



Sample No: VCP418762
Oil Type: NOT GIVEN
Job No: 63050 3D EX



SAMPLE INFORMATION

Sample Number	VCP418762	---	---	---
Sample Date	14 Jun 2023	---	---	---
Machine Hours	5900	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

COWIN EQUIPMENT COMPANY INC - GUNTERSVILLE
15101 ALABAMA HWY 20
MADISON, AL
US 35756
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OIL CONDITION

Visc @ 40°C	cSt	410	---	---	---
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CONTAMINATION

Water	%	1.35	---	---	---
Silicon	ppm	8181	---	---	---
Sodium	ppm	47	---	---	---
Potassium	ppm	364	---	---	---



WEAR METALS

Iron	ppm	10000	---	---	---
Copper	ppm	23	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	5	---	---	---
Aluminum	ppm	1000	---	---	---
Chromium	ppm	121	---	---	---
Molybdenum	ppm	16	---	---	---
Nickel	ppm	15	---	---	---
Titanium	ppm	132	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	74	---	---	---
Vanadium	ppm	5	---	---	---



ADDITIVES

Calcium	ppm	102	---	---	---
Magnesium	ppm	140	---	---	---
Zinc	ppm	40	---	---	---
Phosphorus	ppm	982	---	---	---
Barium	ppm	8	---	---	---
Boron	ppm	172	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: COWMAD
Unique No: 10532839
Signed: Jonathan Hester
Report Date: 30 Jun 2023



CONSTRUCTION EQUIPMENT



GRAPHS

