



CONSTRUCTION EQUIPMENT

64198 GROVE RT422 223337 - FRONT AXLE



Sample No: VCP413030
Oil Type: NOT GIVEN
Job No: 64198



SAMPLE INFORMATION

Sample Number	VCP413030	---	---	---
Sample Date	26 Jul 2023	---	---	---
Machine Hours	702	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

COWIN EQUIPMENT COMPANY INC - GUNTERSVILLE
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MADISON, AL
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OIL CONDITION

Visc @ 40°C	cSt	■ 167	---	---	---
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CONTAMINATION

Water	%	◆ 8.73	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	■ 193	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	39	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	32	---	---	---
Phosphorus	ppm	617	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	15	---	---	---

Depot: COWMAD
Unique No: 10580379
Signed: Don Baldrige
Report Date: 03 Aug 2023



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GRAPHS

