



CONSTRUCTION EQUIPMENT

HITACHI ZW180 05830 - TRANSMISSION (MANUAL)



Sample No: VCP429522

Oil Type: HD 50

Job No:



SAMPLE INFORMATION

Sample Number	VCP429522	---	---	---
Sample Date	02 Nov 2023	---	---	---
Machine Hours	2196	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

COWIN EQUIPMENT - ATLANTA

5710 RIVERVIEW RD
MABLETON, GA
US 30126

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F:



OIL CONDITION

Visc @ 40°C	cSt	█ 36.4	---	---	---
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CONTAMINATION

Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 44	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	7	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	3422	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	942	---	---	---
Phosphorus	ppm	799	---	---	---
Barium	ppm	5	---	---	---
Boron	ppm	5	---	---	---

Depot: COWMAB

Unique No: 10729193

Signed: Sean Felton

Report Date: 09 Nov 2023



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GRAPHS

