



CONSTRUCTION EQUIPMENT

CAT CATERPILLAR GMS00793 - TRANSMISSION



Sample No: VCP406796
Oil Type: NAVIGUARD TO-4 30W
Job No: CAT



SAMPLE INFORMATION

Sample Number	VCP406796	VCP365897	---	---
Sample Date	07 Nov 2023	04 May 2023	---	---
Machine Hours	8774	7688	---	---
Oil Hours	1000	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

PLEASANT RIVER LUMBER
 PO BOX 68
 DOVER FOXCROFT, ME
 US 04426
 Contact: BURLEY HIGGINS
 burley@pleasantriverlumber.com
 T:
 F: (207)564-8259



OIL CONDITION

Visc @ 40°C	cSt	81.9	76.6	---	---
-------------	-----	-------------	------	-----	-----



CONTAMINATION

Water	%	▲ 0.127	NEG	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	0	1	---	---



WEAR METALS

Iron	ppm	16	23	---	---
Copper	ppm	▲ 370	▲ 873	---	---
Lead	ppm	6	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	7	11	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	2492	2387	---	---
Magnesium	ppm	25	63	---	---
Zinc	ppm	1075	1046	---	---
Phosphorus	ppm	956	872	---	---
Barium	ppm	0	0	---	---
Boron	ppm	10	24	---	---

Diagnosis

The fluid change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. Clutch disc wear or oil cooler leaching indicated. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: PLEDOV
Unique No: 10791662
Signed: Don Baldrige
Report Date: 19 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

