



# CONSTRUCTION EQUIPMENT

SWA390774 WASTE MGMT

CATERPILLAR 972H A7D00854 - TRANSMISSION (MANUAL)



**Sample No:** VCP395515  
**Oil Type:** TDTO FLUID SAE 30  
**Job No:** SWA390774 WASTE MGMT



## SAMPLE INFORMATION

Sample Number	<b>VCP395515</b>	VCP404858	VCP369257	VCP387551
Sample Date	<b>18 Oct 2023</b>	10 Apr 2023	16 Feb 2023	31 Aug 2022
Machine Hours	<b>25364</b>	25228	24573	23796
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>71.2</b>	72.3	86.4	93.8
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## CONTAMINATION

Silicon	ppm	<b>14</b>	5	4	3
Sodium	ppm	<b>2</b>	2	2	1
Potassium	ppm	<b>&lt;1</b>	<1	<1	0

## Diagnosis

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



## WEAR METALS

Iron	ppm	<b>31</b>	13	10	7
Copper	ppm	<b>13</b>	12	12	11
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>2</b>	<1	<1	1
Aluminum	ppm	<b>1</b>	1	2	2
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	2	2	2
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	<1	<1
Manganese	ppm	<b>1</b>	1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>2096</b>	1948	2233	2409
Magnesium	ppm	<b>26</b>	35	28	39
Zinc	ppm	<b>995</b>	943	1034	1092
Phosphorus	ppm	<b>863</b>	783	881	905
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>16</b>	20	10	5

**Depot:** VOLVO8885  
**Unique No:** 10738504  
**Signed:** Wes Davis  
**Report Date:** 11 Nov 2023



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## GRAPHS

