



CONSTRUCTION EQUIPMENT

SWA390774 WASTE MGMT CATERPILLAR 972H A7D00854 - REAR AXLE



Sample No: VCP395512
Oil Type: TDTO FLUID SAE 30
Job No: SWA390774 WASTE MGMT



SAMPLE INFORMATION

Sample Number	VCP395512	VCP410968	VCP369254	VCP387550
Sample Date	18 Oct 2023	10 Apr 2023	16 Feb 2023	31 Aug 2022
Machine Hours	25364	25228	24573	23796
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	183	171	196	191
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CONTAMINATION

Water	%	▲ 0.297	---	▲ 0.392	▲ 0.349
Silicon	ppm	■ 14	■ 30	■ 19	■ 16
Sodium	ppm	■ 2	■ 2	■ 4	■ 1
Potassium	ppm	■ 0	■ 1	■ 2	■ 0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 137	■ 167	■ 143	■ 117
Copper	ppm	■ 49	■ 1	■ 52	■ 52
Lead	ppm	■ <1	■ 0	■ 2	■ 2
Tin	ppm	■ 0	■ 0	■ 2	■ <1
Aluminum	ppm	■ <1	■ 4	■ 4	■ 3
Chromium	ppm	■ 0	■ 2	■ 1	■ <1
Molybdenum	ppm	■ 0	■ 2	■ <1	■ <1
Nickel	ppm	■ <1	■ <1	■ 2	■ <1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	■ <1	■ 2	■ 1	■ 1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 1066	■ 2126	■ 1181	■ 1277
Magnesium	ppm	■ 7	■ 33	■ 10	■ 10
Zinc	ppm	■ 990	■ 833	■ 1019	■ 1011
Phosphorus	ppm	■ 867	■ 1049	■ 850	■ 875
Barium	ppm	■ 7	■ 0	■ <1	■ 0
Boron	ppm	■ 0	■ 45	■ 2	■ 0

Depot: VOLVO8885
Unique No: 10738444
Signed: Sean Felton
Report Date: 14 Nov 2023



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VOLVO GRAPHS

