



# CONSTRUCTION EQUIPMENT

## CATERPILLAR 966H A6D01734 - FRONT AXLE



**Sample No:** VCP442889  
**Oil Type:** MOBIL MOBILTRANS HD 30  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP442889</b>	VCP392743	VCP366578	VCP383686
Sample Date	<b>07 Feb 2024</b>	07 Jun 2023	13 Feb 2023	30 Nov 2022
Machine Hours	<b>15934</b>	15734	15492	15249
Oil Hours	<b>1954</b>	1750	1512	1269
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>101</b>	97.9	97.9	97.7
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>11</b>	8	7	7
Sodium	ppm	<b>1</b>	2	1	2
Potassium	ppm	<b>0</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 oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>50</b>	35	23	20
Copper	ppm	<b>&lt;1</b>	1	0	<1
Lead	ppm	<b>0</b>	0	1	<1
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	<1	2	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>5</b>	5	5	5
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>2</b>	2	2	2
Silver	ppm	<b>0</b>	0	3	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>2340</b>	2409	2277	2488
Magnesium	ppm	<b>44</b>	43	45	47
Zinc	ppm	<b>1032</b>	1141	998	1138
Phosphorus	ppm	<b>782</b>	911	809	919
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>20</b>	14	13	14

**Depot:** MARDIC  
**Unique No:** 10875199  
**Signed:** Wes Davis  
**Report Date:** 14 Feb 2024



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## GRAPHS

