



CONSTRUCTION EQUIPMENT

CATERPILLAR 966H A6D01734 - REAR AXLE



Sample No: VCP442886
Oil Type: MOBIL MOBILTRANS HD 30
Job No:



SAMPLE INFORMATION

Sample Number	VCP442886	VCP393421	VCP340100	VCP338099
Sample Date	07 Feb 2024	07 Jun 2023	13 Feb 2023	30 Nov 2022
Machine Hours	15934	15734	15492	15249
Oil Hours	1954	1750	1512	1269
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	97.6	92.5	93.0	92.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	7	7	6
Sodium	ppm	<1	2	0	1
Potassium	ppm	0	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	14	14	12	12
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	<1	<1	2	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	6	6	6	6
Nickel	ppm	0	<1	0	0
Titanium	ppm	2	2	2	2
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2402	2498	2016	2595
Magnesium	ppm	52	52	51	57
Zinc	ppm	1055	1139	968	1173
Phosphorus	ppm	799	912	751	942
Barium	ppm	0	0	0	0
Boron	ppm	18	16	14	16

Depot: MARDIC
Unique No: 10875185
Signed: Wes Davis
Report Date: 14 Feb 2024



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VOLVO GRAPHS

