



CONSTRUCTION EQUIPMENT

D13222 WM AI RECYC JOHN DEERE 544K 640193 - REAR AXLE



Sample No: VCE049453
Oil Type: JOHN DEERE HY-GARD HYD/TRANS
Job No: D13222 WM AI RECYC



SAMPLE INFORMATION

Sample Number	VCE049453	VCP382373	---	---
Sample Date	22 Jan 2024	28 Nov 2022	---	---
Machine Hours	13486	13151	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

ARING EQUIPMENT COMPANY INC - MAIN (MILWAUKEE)
 13001 W SILVERE SPRING DR
 BUTLER, WI
 US 53007
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OIL CONDITION

Visc @ 40°C	cSt	65.8	69.2	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	17	15	---	---
Sodium	ppm	4	2	---	---
Potassium	ppm	<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	155	82	---	---
Copper	ppm	15	15	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	1	2	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	1	2	---	---
Nickel	ppm	1	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	2676	3433	---	---
Magnesium	ppm	35	37	---	---
Zinc	ppm	1160	1461	---	---
Phosphorus	ppm	871	1089	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	6	2	---	---

Depot: VOLVO0069
Unique No: 10848665
Signed: Wes Davis
Report Date: 27 Jan 2024



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GRAPHS

