



CONSTRUCTION EQUIPMENT

D12587 WM JOHN DEERE 544K 640193 - TRANSMISSION (MANUAL)



Sample No: VCP418971
Oil Type: TDTO FLUID SAE 10W
Job No: D12587 WM



SAMPLE INFORMATION

Sample Number	VCP418971	VCP382377	---	---
Sample Date	28 Jul 2023	28 Nov 2022	---	---
Machine Hours	13337	13151	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

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

Visc @ 40°C	cSt	59.0	47.6	---	---
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CONTAMINATION

Silicon	ppm	6	4	---	---
Sodium	ppm	1	3	---	---
Potassium	ppm	2	<1	---	---

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	2	25	---	---
Copper	ppm	<1	3	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	0	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	3	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	3177	2552	---	---
Magnesium	ppm	101	57	---	---
Zinc	ppm	1148	1109	---	---
Phosphorus	ppm	921	910	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	5	5	---	---

Depot: VOLVO0069
Unique No: 10586865
Signed: Don Baldrige
Report Date: 04 Aug 2023



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GRAPHS

