



CONSTRUCTION EQUIPMENT

JOHN DEERE 524KII 679355 - REAR AXLE



Sample No: VCP413820
Oil Type: SHELL TELLUS S2 MX 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP413820	VCP217487	---	---
Sample Date	15 Nov 2023	16 Sep 2017	---	---
Machine Hours	5950	499	---	---
Oil Hours	1000	499	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 45.4	51.89	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 20	█ 8	---	---
Sodium	ppm	█ 16	█ 7	---	---
Potassium	ppm	█ 2	█ 4	---	---



WEAR METALS

Iron	ppm	█ 382	█ 116	---	---
Copper	ppm	▲ 79	█ 65	---	---
Lead	ppm	▲ 119	█ 95	---	---
Tin	ppm	█ 5	5	---	---
Aluminum	ppm	█ 3	█ 0	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ <1	█ 0	---	---
Nickel	ppm	█ 1	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 7	█ 4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 3032	█ 3392	---	---
Magnesium	ppm	█ 76	█ 89	---	---
Zinc	ppm	█ 990	█ 1138	---	---
Phosphorus	ppm	█ 900	█ 956	---	---
Barium	ppm	█ 0	█ 2	---	---
Boron	ppm	█ 2	█ 6	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: TOTGAI
Unique No: 10792280
Signed: Sean Felton
Report Date: 20 Dec 2023



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GRAPHS

