



CONSTRUCTION EQUIPMENT

274 JOHN DEERE 524KII 679355 - FRONT AXLE



Sample No: VCP413821
Oil Type: SHELL TELLUS S2 MX 46
Job No: 274



SAMPLE INFORMATION

Sample Number	VCP413821	VCP217485	---	---
Sample Date	15 Nov 2023	16 Sep 2017	---	---
Machine Hours	5950	499	---	---
Oil Hours	1000	499	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	46.3	52.25	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	20	9	---	---
Sodium	ppm	16	7	---	---
Potassium	ppm	2	4	---	---



WEAR METALS

Iron	ppm	379	146	---	---
Copper	ppm	80	31	---	---
Lead	ppm	119	74	---	---
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	2983	3541	---	---
Magnesium	ppm	76	96	---	---
Zinc	ppm	980	1186	---	---
Phosphorus	ppm	872	987	---	---
Barium	ppm	0	3	---	---
Boron	ppm	2	7	---	---

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: 10792279
Signed: Sean Felton
Report Date: 20 Dec 2023



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GRAPHS

