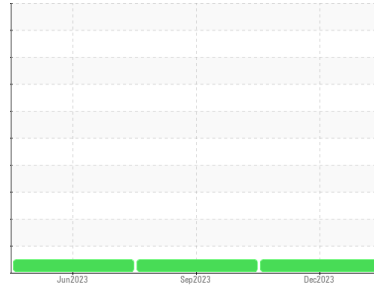




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
RONI
 Machine Id
455
 Component
Front Left Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0872951	LH0275346	LH0261479
Sample Date	Client Info		08 Dec 2023	08 Sep 2023	06 Jun 2023
Machine Age	hrs	Client Info	0	2651	2136
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Changed	Not Changd	Changed
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.075	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >750	76	77	124
Chromium	ppm	ASTM D5185(m) >9	1	2	3
Nickel	ppm	ASTM D5185(m) >10	0	<1	<1
Titanium	ppm	ASTM D5185(m)	0	<1	<1
Silver	ppm	ASTM D5185(m)	<1	0	0
Aluminum	ppm	ASTM D5185(m) >40	2	2	2
Lead	ppm	ASTM D5185(m) >15	0	0	0
Copper	ppm	ASTM D5185(m) >40	1	1	3
Tin	ppm	ASTM D5185(m) >10	0	0	0
Antimony	ppm	ASTM D5185(m) >5	0	0	0
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 6	18	20	96
Barium	ppm	ASTM D5185(m) 0	<1	0	<1
Molybdenum	ppm	ASTM D5185(m) 0	0	<1	0
Manganese	ppm	ASTM D5185(m)	1	2	4
Magnesium	ppm	ASTM D5185(m) 145	88	89	10
Calcium	ppm	ASTM D5185(m) 3570	3400	3384	3572
Phosphorus	ppm	ASTM D5185(m) 1290	998	1090	1229
Zinc	ppm	ASTM D5185(m) 1640	1243	1219	1424
Sulfur	ppm	ASTM D5185(m)	2926	2997	3043
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	16	18	11
Sodium	ppm	ASTM D5185(m) >51	4	4	15
Potassium	ppm	ASTM D5185(m) >20	0	1	3

