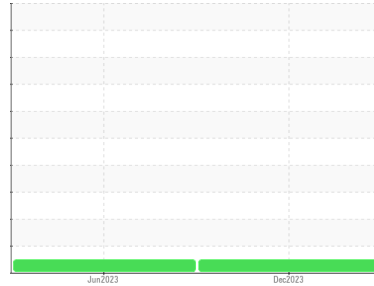




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id

385

Component

Left Final Drive

Fluid

JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0888485	LH0261683	---
Sample Date	Client Info		22 Dec 2023	15 Jun 2023	---
Machine Age	hrs	Client Info	0	2266	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>500	11	22	---
Chromium	ppm	ASTM D5185(m)	>10	0	<1	---
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	---
Lead	ppm	ASTM D5185(m)	>25	<1	<1	---
Copper	ppm	ASTM D5185(m)	>50	12	24	---
Tin	ppm	ASTM D5185(m)	>10	<1	1	---
Antimony	ppm	ASTM D5185(m)	>5	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	6	234	120	---
Barium	ppm	ASTM D5185(m)	0	10	26	---
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	145	14	2	---
Calcium	ppm	ASTM D5185(m)	3570	36	20	---
Phosphorus	ppm	ASTM D5185(m)	1290	1257	1422	---
Zinc	ppm	ASTM D5185(m)	1640	28	13	---
Sulfur	ppm	ASTM D5185(m)		21837	23782	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>75	2	3	---
Sodium	ppm	ASTM D5185(m)		1	2	---
Potassium	ppm	ASTM D5185(m)	>20	<1	1	---

