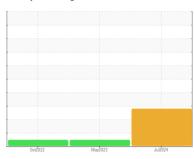


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **D-232** Component **Hydraulic System** JOHN DEERE HYDRAU (--- GAL)

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

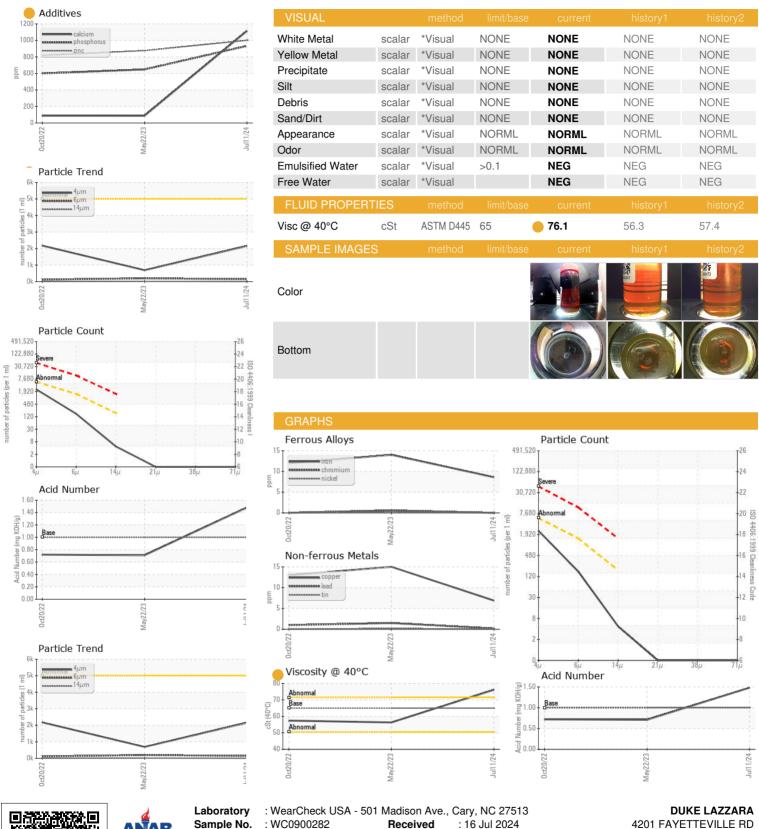
Fluid Condition

The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.

		00	2022	May2023 Jul20	124	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900282	WC0780347	WC0663473
Sample Date		Client Info		11 Jul 2024	22 May 2023	20 Oct 2022
Machine Age	hrs	Client Info		3094	1696	1112
Oil Age	hrs	Client Info		0	1696	1112
Oil Changed		Client Info		N/A	Not Changd	Not Change
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	9	14	12
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	6	4	2
Lead	ppm	ASTM D5185m	>10	<1	2	1
Copper	ppm	ASTM D5185m	>75	7	15	13
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m	7.0	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	le le	method	limit/base		history1	history2
Boron	nnm	ASTM D5185m	IIIIIV DASC	238	0	0
Barium	ppm	ASTM D5185m		0	0	0
				198	<1	<1
Molybdenum	ppm	ASTM D5185m		<1	<1	
Manganese	ppm	ASTM D5185m				<1
Magnesium	ppm	ASTM D5185m	07	613	10	<1
Calcium	ppm	ASTM D5185m	87	1114	87	88
Phosphorus	ppm	ASTM D5185m	727	933	648	600
Zinc	ppm	ASTM D5185m	900	1001	876	818
Sulfur	ppm	ASTM D5185m	1500	3199	1867	1854
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	10	5	3
Sodium	ppm	ASTM D5185m		2	2	0
Potassium	ppm	ASTM D5185m	>20	<1	3	3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	2155	687	2178
Particles >6μm		ASTM D7647	>1300	147	195	117
Particles >14μm		ASTM D7647	>160	4	15	11
Particles >21µm		ASTM D7647	>40	0	4	4
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/14/9	17/15/11	18/14/11
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Sample No. Lab Number

: 06237685 Unique Number : 11126519 Test Package : CONST

: WC0900282

Received : 16 Jul 2024 **Tested** : 17 Jul 2024 Diagnosed

: 18 Jul 2024 - Jonathan Hester

US 27603 Contact: BRANDON BYRUM b.byrum@dukelazzara.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F:

RALEIGH, NC