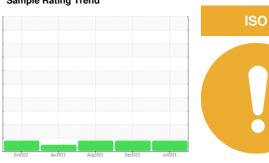


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id E-170 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 a moderate amount of silt (particulates < 6 microns in size) present in the oil.

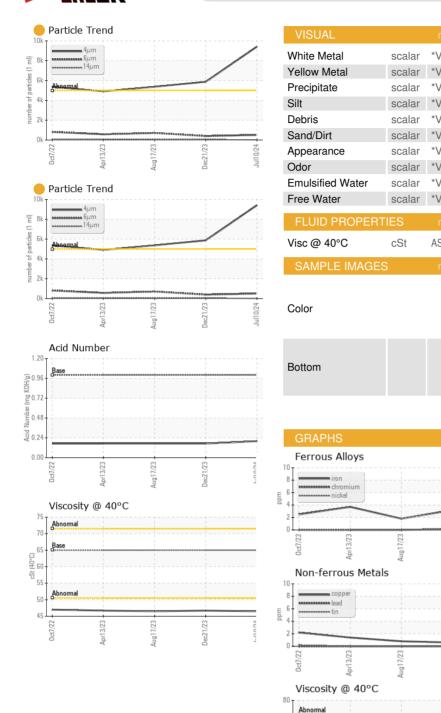
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

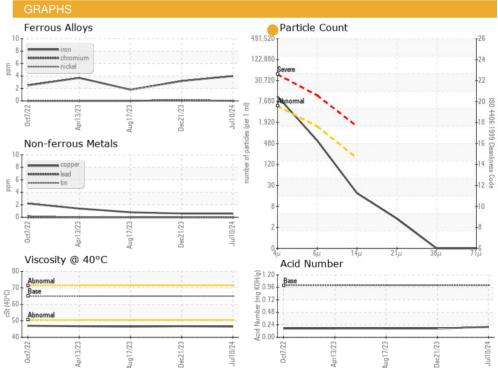
		0ct2022	Apr2023	Aug2023 Dec2023	Jul2024	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900331	WC0828440	WC0780364
Sample Date		Client Info		10 Jul 2024	21 Dec 2023	17 Aug 2023
Machine Age	hrs	Client Info		3161	2247	1653
Oil Age	hrs	Client Info		0	2247	1653
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINATION		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	4	3	2
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	2	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m	7.0	0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	PP	method	limit/base		history1	history2
Boron	ppm	ASTM D5185m	mmesacc	0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	<1	2
Calcium	ppm	ASTM D5185m	87	18	3	2
Phosphorus	ppm	ASTM D5185m	727	451	596	526
Zinc	ppm	ASTM D5185m	900	13	0	15
Sulfur		ASTM D5185m	1500	136	66	94
CONTAMINANTS	ppm					
	nnm	method ASTM D5185m	limit/base >20	current	history1	history2
Silicon	ppm		>20	<1	.4	<1
Sodium	ppm	ASTM D5185m	00	2	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	1	0
FLUID CLEANLINE	<u> </u>	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	9410	5878	5370
Particles >6µm		ASTM D7647	>1300	512	397	709
Particles >14µm		ASTM D7647	>160	16	39	41
Particles >21µm		ASTM D7647	>40	3	11	9
Particles >38µm		ASTM D7647	>10	0	1	1
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/16/11	20/16/12	0 20/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A	140111	10T11 B 00 :-	4 6	0.00	0 4 =	0 4 =



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65	46.5	46.7	46.5
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
				All the All th	Fig.	
Color					Wan	







Certificate 12367

Laboratory Sample No.

Lab Number : 06234787

Unique Number : 11123621 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0900331 Received : 12 Jul 2024

Tested : 15 Jul 2024

Diagnosed : 15 Jul 2024 - Don Baldridge

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

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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)

Report Id: DUKRAL [WUSCAR] 06234787 (Generated: 07/15/2024 12:22:06) Rev: 1

Contact/Location: BRANDON BYRUM - DUKRAL

F:

DUKE LAZZARA

RALEIGH, NC

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