

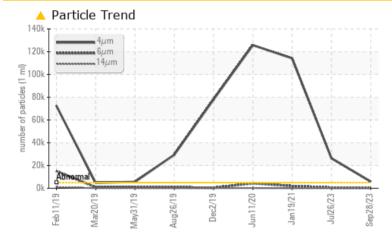
PROBLEM SUMMARY

POWHATAN Machine Id JOHN DEERE 944K M02-0898 - INVERTER 1DW944KXAJE688399

Component Hydraulic System

JOHN DEERE HYDRAU (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS										
Sample Status			ATTENTION	ABNORMAL	ATTENTION					
Particles >4µm	ASTM D7647	>5000	6 5854	a 26337	🔺 114151					
Oil Cleanliness	ISO 4406 (c)	>19/17/14	A 20/16/12	22/16/12	24/18/12					

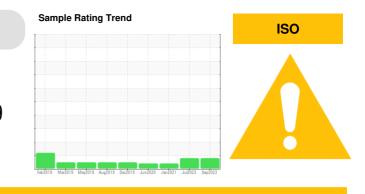
Customer Id: LUCMIL Sample No.: JR0165533 Lab Number: 05968846 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

26 Jul 2023 Diag: Don Baldridge

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.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

19 Jan 2021 Diag: Don Baldridge

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

view report

11 Jun 2020 Diag: Don Baldridge

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Area **POWHATAN** Machine Id JOHN DEERE 944K M02-0898 - INVERTER 1DW944KXAJE688399

Component Hydraulic System

JOHN DEERE HYDRAU (--- GAL)

DIAGNOSIS

A Recommendation

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

Wear

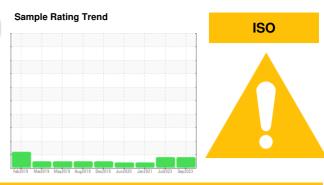
All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 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.



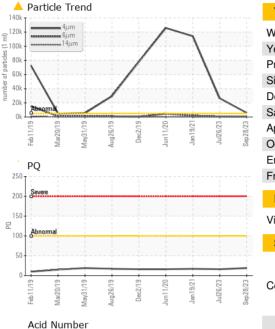
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0165533	JR0164244	JR0076176
Sample Date		Client Info		28 Sep 2023	26 Jul 2023	19 Jan 2021
Machine Age	hrs	Client Info		8559	8213	4029
Oil Age	hrs	Client Info		346	0	4029
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		19	16	17
Iron	ppm	ASTM D5185m	>20	15	16	14
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	4	2	2
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>75	5	6	8
Tin	ppm	ASTM D5185m		<1	0	<1
Antimony	ppm	ASTM D5185m	210			0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		51	46	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		23	22	1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium		ASTM D5185m		361	365	11
Calcium	ppm ppm	ASTM D5185m	97	511	625	430
Phosphorus		ASTM D5185m	727	788	763	659
Zinc	ppm	ASTM D5185m	900	1006	984	848
Sulfur	ppm		1500	2709		1723
	ppm	ASTM D5185m		2709	2751	
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	4	3
Sodium	ppm	ASTM D5185m		2	4	7
Potassium	ppm	ASTM D5185m	>20	1	2	4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>	2 6337	🔺 114151
Particles >6µm		ASTM D7647	>1300	456	588	1989
Particles >14µm		ASTM D7647	>160	23	31	22
Particles >21µm		ASTM D7647	>40	4	7	6
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 20/16/12	A 22/16/12	4/18/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.93	0.80	0.636

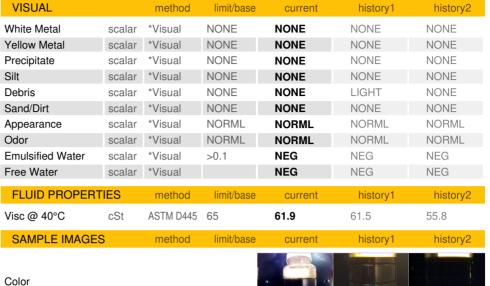
Contact/Location: BRYAN MORRIS - LUCMIL



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OIL ANALYSIS REPORT

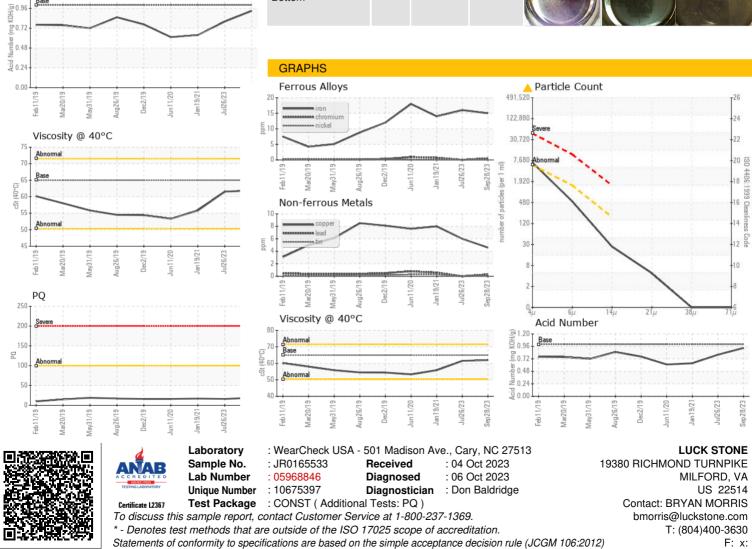








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Contact/Location: BRYAN MORRIS - LUCMIL