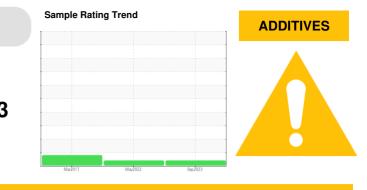


PROBLEM SUMMARY

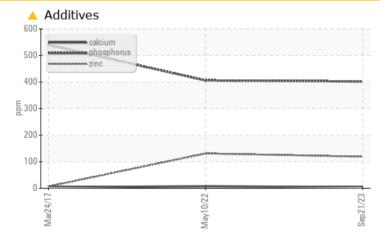


Area **Store 9 - Marietta** Machine Id **JOHN DEERE 35G 1FF035GXCGK278573** Component

Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (11 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Zinc	ppm	ASTM D5185m	0	🔺 119	1 31	7	

Customer Id: LESMAROH Sample No.: LEC0042651 Lab Number: 05964526 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						
Action	Status	Date	Done By	Description		
Change Fluid			?	Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil.		
Flush System			?	Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil.		

HISTORICAL DIAGNOSIS



10 May 2022 Diag: Don Baldridge

Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. Zinc level above manufacturer's recommendations. The AN level is acceptable for this fluid.



24 Mar 2017 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 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.





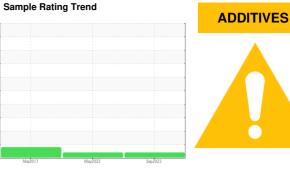
OIL ANALYSIS REPORT

Store 9 - Marietta **JOHN DEERE 35G 1FF035GXCGK278573** Component

Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (11 GAL)

DIAGNOSIS	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		LEC0042651	LEC0029749	LECP171866
Recommend drain oil if not already done. Reduce	Sample Date		Client Info		21 Sep 2023	10 May 2022	24 Mar 2017
drain interval to 2000 hours or drain and flush and	Machine Age	hrs	Client Info		2128	1256	1
use recommended zinc free oil.	Oil Age	hrs	Client Info		2128	500	1
Wear	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
All component wear rates are normal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Contamination The amount and size of particulates present in the	WEAR METALS		method	limit/base	current	history1	history2
system are acceptable.	PQ		ASTM D8184	>50	13	16	15
Fluid Condition	Iron	ppm	ASTM D5185m	>32	4	5	<1
Zinc level above manufacturer's recommendations.	Chromium	ppm	ASTM D5185m	>9	0	0	<1
The AN level is acceptable for this fluid.	Nickel	ppm	ASTM D5185m	>5	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	<1	0
	Aluminum	ppm	ASTM D5185m	>9	0	<1	<1
	Lead	ppm	ASTM D5185m	>28	0	0	0
	Copper	ppm	ASTM D5185m	>50	1	8	2
	Tin	ppm	ASTM D5185m	>5	0	0	0
	Antimony	ppm	ASTM D5185m				0
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		0	1	0
	Barium	ppm	ASTM D5185m		<1	0	<1
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		5	3	6
	Calcium	ppm	ASTM D5185m		3	8	3
	Phosphorus	ppm	ASTM D5185m	827	402	406	540
	Zinc	ppm	ASTM D5185m	0	<u> </u>	1 31	7
	Sulfur	ppm	ASTM D5185m		672	667	252
	CONTAMINANTS	S	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>11	<1	<1	3
	Sodium	ppm	ASTM D5185m	>21	<1	<1	<1
	Potassium	ppm	ASTM D5185m		<1	0	<1
	FLUID CLEANLIN	VESS	method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647	>80000	3580	4879	▲ 16320
	Particles >6µm		ASTM D7647	>20000	750	439	831
	Particles >14µm		ASTM D7647	>640	68	38	23
	Particles >21µm		ASTM D7647	>160	18	9	14
	Particles >38µm		ASTM D7647	>40	1	0	11
	Particles >71µm		ASTM D7647	>10	0	0	0
	Oil Cleanliness		ISO 4406 (c)		19/17/13	19/16/12	▲ 21/17/12
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2





42

40

250

15

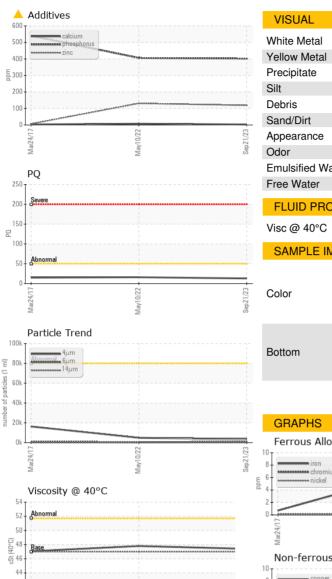
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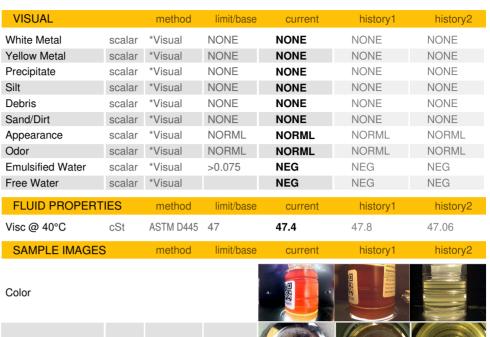
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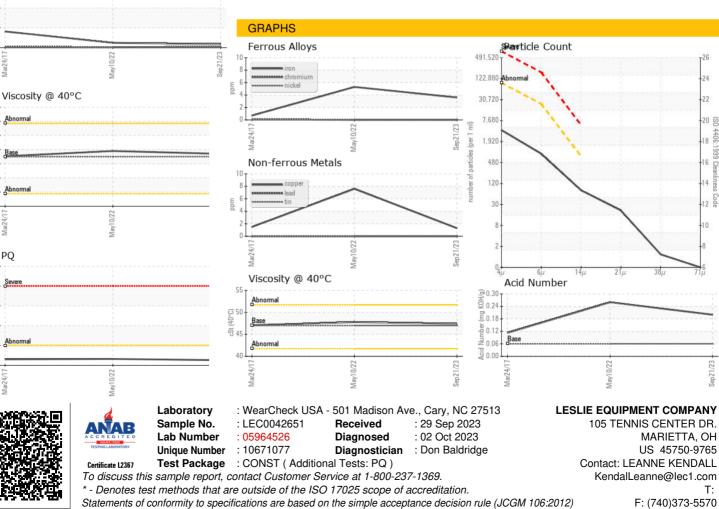
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Mar24

OIL ANALYSIS REPORT







Submitted By: STORE5 - CROSS LANES - NEIL BALL