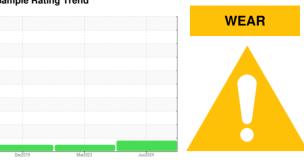


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **JOHN DEERE 350G 1FF350GXCGF811323**

Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (77 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: CHECKI FOR CROSS CONTAMINATION/ WRONG OIL TYPE)

The chromium level is abnormal. All other component wear rates are normal.

Contamination

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

Fluid Condition

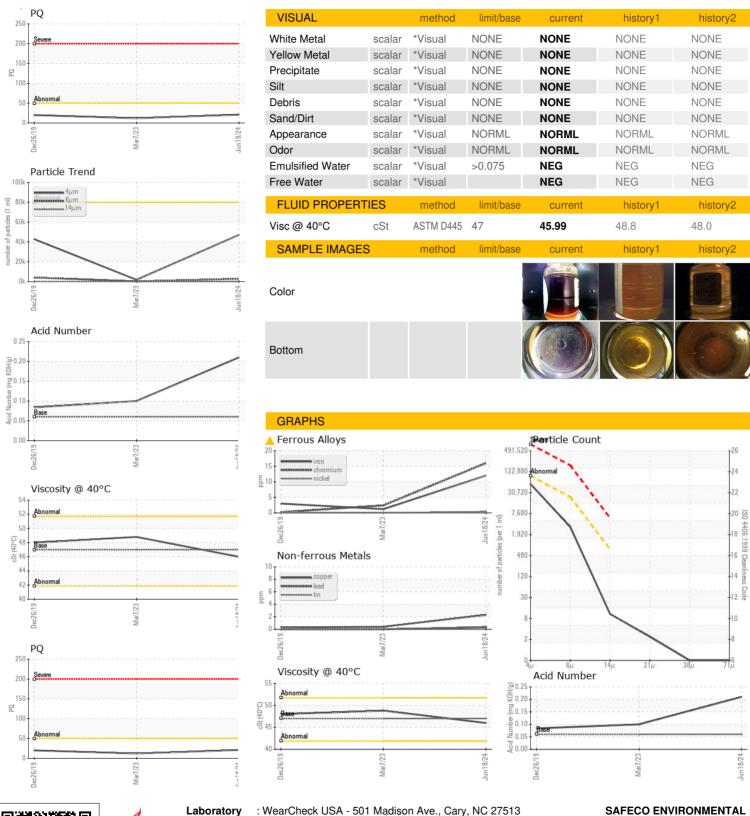
Additive levels do not indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		LEC0050857	LEC0040001	LEC0008884
Sample Date		Client Info		18 Jun 2024	07 Mar 2023	26 Dec 2019
	hrs	Client Info		8120	4988	2828
J	hrs	Client Info		3132	2160	6
Oil Changed	1110	Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	21	12	20
Iron	ppm	ASTM D5185m	>32	12	1	3
	ppm	ASTM D5185m	>9	<u> </u>	2	<1
	ppm	ASTM D5185m	>5	<1	0	<1
	ppm	ASTM D5185m		<1	0	0
	ppm	ASTM D5185m		0	<1	<1
	ppm	ASTM D5185m	>9	2	<1	<1
	ppm	ASTM D5185m	>28	<1	0	0
	ppm	ASTM D5185m	>50	2	<1	<1
	ppm	ASTM D5185m	>5	<1	0	0
	ppm	ASTM D5185m				0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		3	4	1
Calcium	ppm	ASTM D5185m		96	121	11
Phosphorus	ppm	ASTM D5185m	827	650	598	613
Zinc	ppm	ASTM D5185m	0	53	49	9
Sulfur	ppm	ASTM D5185m	13	128	164	39
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>11	6	1	2
Sodium	ppm	ASTM D5185m	>21	<1	<1	0
	ppm	ASTM D5185m	>20	1	0	3
	%	ASTM D6304	>0.075	NEG	NEG	NEG
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>80000	47107	1784	42817
Particles >6µm		ASTM D7647	>20000	2790	166	4050
Particles >14μm		ASTM D7647	>640	9	22	82
Particles >21µm		ASTM D7647	>160	2	8	11
Particles >38µm		ASTM D7647	>40	0	1	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	23/19/10	18/15/12	23/19/14
FLUID DEGRADAT	ION	method	limit/base	current	history1	history2

0.21



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: LEC0050857

: 06216266 Unique Number : 11089130

Received **Tested** Diagnosed

Test Package : CONST (Additional Tests: KF, PQ)

: 20 Jun 2024

: 20 Jun 2024

: 20 Jun 2024 - Doug Bogart

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. SAFECO ENVIRONMENTAL

3082 SOUTH HWY 88 DILLINER, PA US 15327

Contact: B JORDAN bjordan@safecoservices.com

Submitted By: JOHN MARTIN

T: F: (724)725-1133

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: SAFDIL [WUSCAR] 06216266 (Generated: 06/21/2024 07:21:48) Rev: 1

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