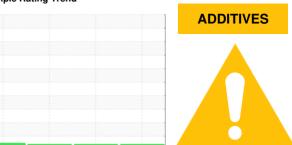


OIL ANALYSIS REPORT

Sample Rating Trend



[W52507 IRON HORSE] JOHN DEERE 30G 1FF030GXJJK266195

Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (--- QTS)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable.

Fluid Condition

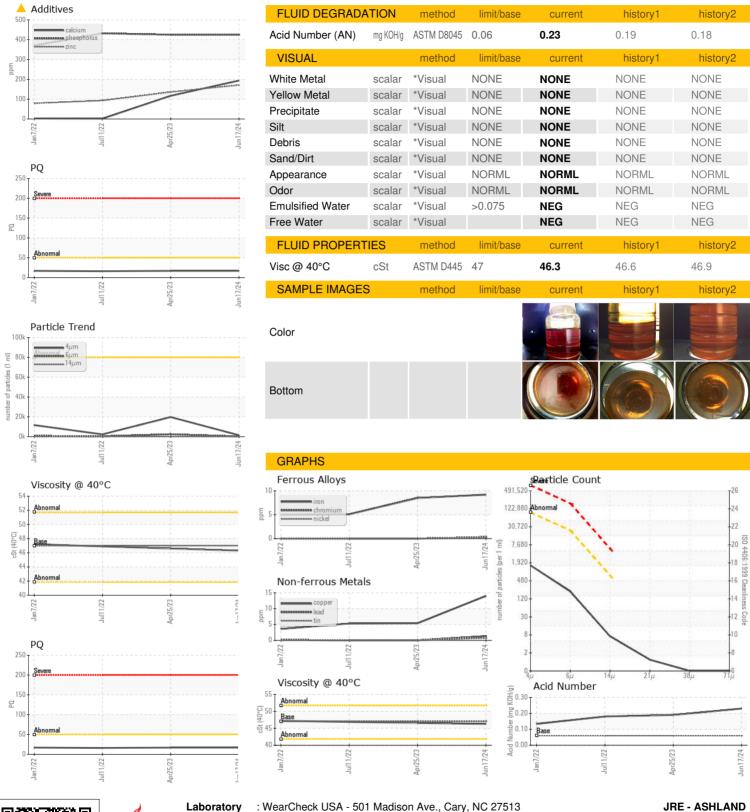
Zinc level above manufacturer's recommendations. The AN level is acceptable for this fluid.

QTS)		Jan202	2 Jul2022	Apr2023 Ju	ın2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0211621	JR0147601	JR0125613
Sample Date		Client Info		17 Jun 2024	25 Apr 2023	11 Jul 2022
Machine Age	hrs	Client Info		2111	1405	863
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.075	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	17	17	16
Iron	ppm	ASTM D5185m	>32	9	8	5
Chromium	ppm	ASTM D5185m	>9	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>9	3	<1	0
Lead	ppm	ASTM D5185m	>28	1	0	0
Copper	ppm	ASTM D5185m	>50	14	5	5
Tin	ppm	ASTM D5185m	>5	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		6	0	2
Calcium	ppm	ASTM D5185m		194	117	2
Phosphorus	ppm	ASTM D5185m	827	425	425	432
Zinc	ppm	ASTM D5185m	0	<u> </u>	<u>▲</u> 136	<u>\$\times\$</u> 93
Sulfur	ppm	ASTM D5185m	13	1027	595	919
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>11	4	1	<1
Sodium	ppm	ASTM D5185m	>21	0	<1	<1
Potassium	ppm	ASTM D5185m	>20	2	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>80000	1375	19722	2333
Particles >6µm		ASTM D7647	>20000	187	2377	323
Particles >14µm		ASTM D7647	>640	6	30	17
Particles >21µm		ASTM D7647	>160	1	5	4
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	18/15/10	21/18/12	18/16/11

Contact/Location: DAVID ZIEG - JAMASH



OIL ANALYSIS REPORT





Laboratory Sample No.

: JR0211621 Lab Number : 06216758 Unique Number : 11089622

Diagnosed Test Package : CONST (Additional Tests: PQ)

Certificate 12367

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)

Received

Tested

: 21 Jun 2024

: 24 Jun 2024

: 24 Jun 2024 - Don Baldridge

JRE - ASHLAND

11047 LEADBETTER RD ASHLAND, VA US 23005

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