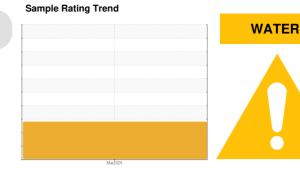


OIL ANALYSIS REPORT

BRIAN-MARCUS LEE JOHN DEERE 7810 090094

Hydraulic System

{not provided} (--- QTS)



DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

The iron level is abnormal.

Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a moderate concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

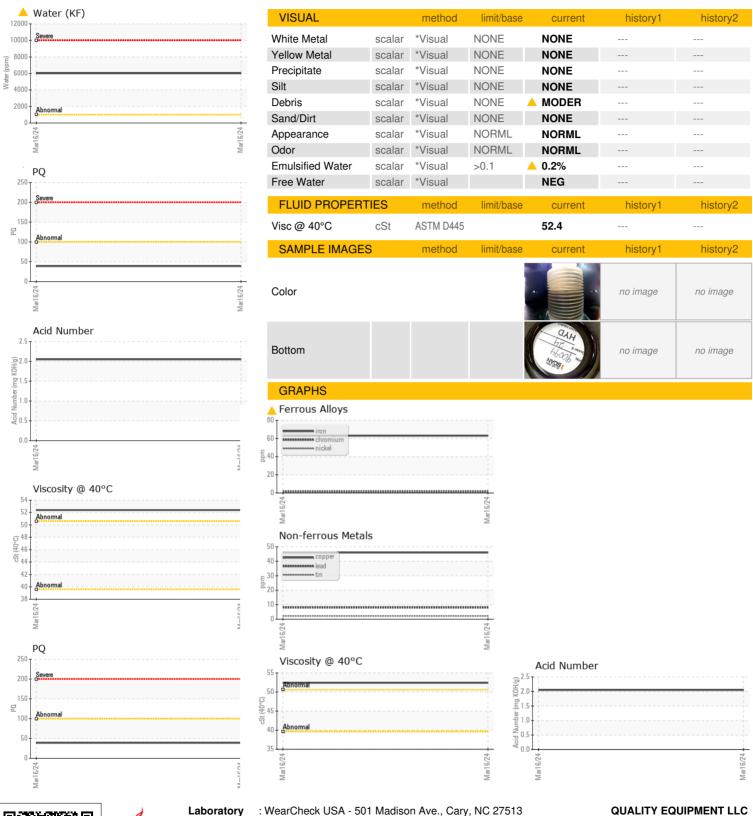
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06136261		
Sample Date		Client Info		16 Mar 2024		
Machine Age	hrs	Client Info		5683		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		39		
Iron	ppm	ASTM D5185m	>20	△ 63		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>10	1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	8		
Copper	ppm	ASTM D5185m	>75	46		
Tin	ppm	ASTM D5185m	>10	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		74		
Calcium	ppm	ASTM D5185m		2846		
Phosphorus	ppm	ASTM D5185m		1135		
Zinc	ppm	ASTM D5185m		1176		
Sulfur	ppm	ASTM D5185m		4004		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	9		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	4		
Water	%	ASTM D6304	>0.1	<u> </u>		
ppm Water	ppm	ASTM D6304	>1000	△ 6010		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

2.05

Acid Number (AN) mg KOH/g ASTM D8045



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06136261

: WC06136261 Unique Number : 10955726

Received **Tested** Diagnosed

: 02 Apr 2024 : 04 Apr 2024

: 04 Apr 2024 - Don Baldridge Test Package : CONST (Additional Tests: KF, PQ)

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

US 27577

2783 HWY 70 BUS E

Contact: COY STANLEY

cstanley@qualityequip.com

SMITHFIELD, NC

T: (919)934-2701