

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id **JOHN DEERE 310E 1DW310EXTKF697898** Transmission

D	IAG	iNO	SI	5

A Recommendation

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.

🔺 Wear

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

Contamination

There is no indication of any contamination in the fluid.

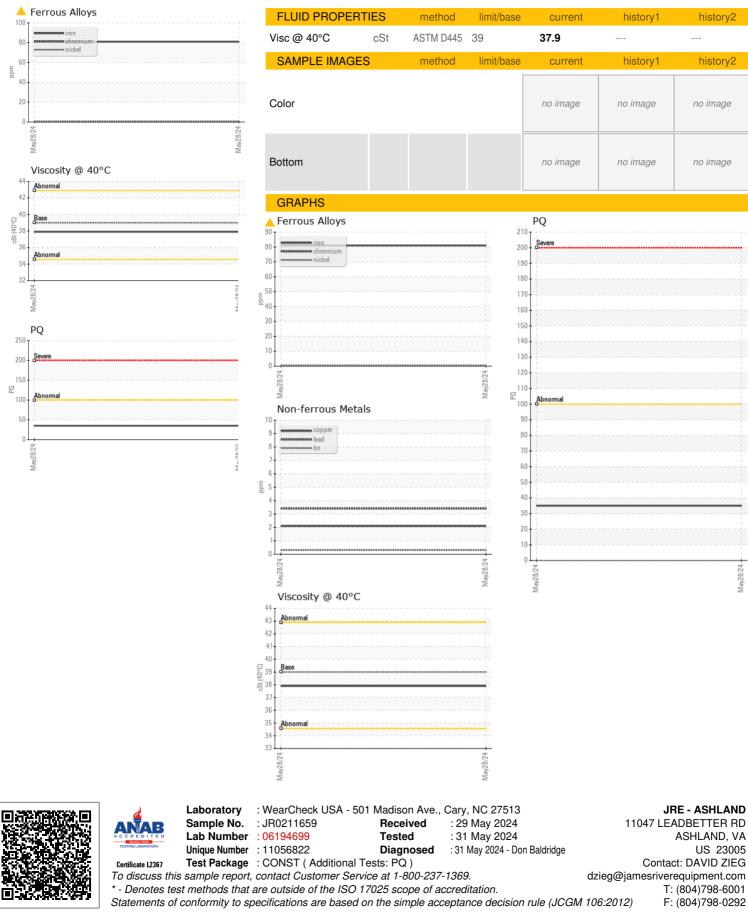
Fluid Condition

The condition of the fluid is acceptable for the time in service.

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SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0211659		
Sample Date		Client Info		28 May 2024		
Machine Age	hrs	Client Info		4359		
Oil Age	hrs	Client Info		4359		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	l	method	limit/base	current	history1	history2
Water		WC Method	>0.075	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>100	35		
Iron	ppm	ASTM D5185m	>61	<u> </u>		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	1		
_ead	ppm	ASTM D5185m	>9	3		
Copper	ppm	ASTM D5185m	>100	2		
Tin	ppm	ASTM D5185m	>3	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	168	103		
Barium	ppm	ASTM D5185m	100	1		
Volybdenum	ppm	ASTM D5185m		<1		
Vanganese	ppm	ASTM D5185m		1		
Vagnesium	ppm	ASTM D5185m		6		
Calcium		ASTM D5185m	33	451		
	ppm	ASTM D5185m	330	396		
Phosphorus Zinc	ppm		0	182		
Sulfur	ppm		0	102		
	DDIII	ASTM D5185m	980	1005		
CONTAMINANTS	ppm		980	1005		
CONTAMINANTS Silicon		method	limit/base	current	history1	history2
Silicon	ppm	method ASTM D5185m	limit/base	current 5	history1	history2
Silicon Sodium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base >21 >30	current 5 2	history1 	history2
Silicon Sodium Potassium	ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >21 >30 >20	current 5 2 3	history1 	history2
Silicon Sodium Potassium VISUAL	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base >21 >30 >20 limit/base	current 5 2 3 current	history1 history1	history2 history2
Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm scalar	method ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	limit/base >21 >30 >20 limit/base NONE	current 5 2 3 current NONE	history1 history1 	history2 history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual	limit/base >21 >30 >20 limit/base NONE NONE	current 5 2 3 current NONE NONE	history1 history1 	history2 history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	limit/base >21 >30 >20 limit/base NONE NONE NONE	current 5 2 3 current NONE NONE NONE	history1 history1	history2 history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	limit/base >21 >30 >20 limit/base NONE NONE NONE NONE	current 5 2 3 current NONE NONE NONE NONE	history1 history1 	history2 history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >21 >30 >20 limit/base NONE NONE NONE NONE NONE NONE	current 5 2 3 current NONE NONE NONE NONE NONE	history1 history1	history2 history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm scalar scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >21 >30 >20 limit/base NONE NONE NONE NONE NONE NONE	current 5 2 3 current NONE NONE NONE NONE NONE NONE	history1 history1 history1	history2 history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >21 >30 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	Current 5 2 3 Current NONE NONE NONE NONE NONE NONE NONE NON	history1 history1	history2 history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm scalar scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >21 >30 >20 limit/base NONE NONE NONE NONE NONE NONE	current 5 2 3 current NONE NONE NONE NONE NONE NONE	history1 history1	history2 history2
Silicon Sodium Potassium	ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >21 >30 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	Current 5 2 3 Current NONE NONE NONE NONE NONE NONE NONE NON	history1 history1	history2 history2



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