

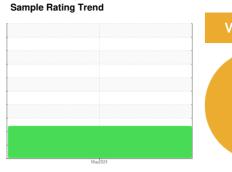
OIL ANALYSIS REPORT



[METHENY CONTRACTING] JOHN DEERE 650K 1T0650KXHEE268473

Right Final Drive

JOHN DEERE HY-GARD HYD/TRANS (--- GAL)





Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

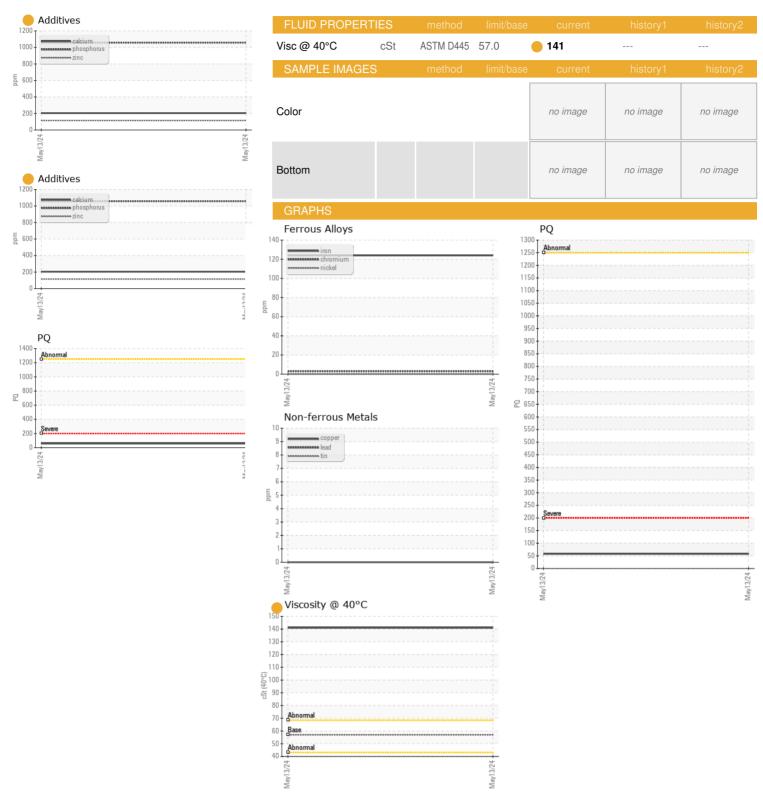
Fluid Condition

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

U II D/ I NANS (- GAL)			May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0179766		
Sample Date		Client Info		13 May 2024		
Machine Age	hrs	Client Info		8871		
Oil Age	hrs	Client Info		1000		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.075	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>1250	58		
Iron	ppm	ASTM D5185m	>750	124		
Chromium	ppm	ASTM D5185m	>9	3		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	40	0		
Aluminum	ppm	ASTM D5185m	>40	8		
Lead	ppm	ASTM D5185m	>15	0		
Copper	ppm	ASTM D5185m	>40	0		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	158		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	6		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m	145	7		
Calcium	ppm	ASTM D5185m	3570	204		
Phosphorus	ppm	ASTM D5185m	1290	1058		
Zinc	ppm	ASTM D5185m	1640	<u> </u>		
Sulfur	ppm	ASTM D5185m		29629		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	37		
Sodium	ppm	ASTM D5185m	>51	2		
Potassium	ppm	ASTM D5185m	>20	0		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.075	NEG		
Free Water	scalar	*Visual		NEG	cation: DAVID	ZIEG <u></u> JAMASH
2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						Page 1 of 2



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0179766 Lab Number : 06180373

Unique Number : 11031699

Received **Tested** Diagnosed

: 15 May 2024 : 16 May 2024

: 17 May 2024 - Don Baldridge

11047 LEADBETTER RD ASHLAND, VA US 23005

JRE - ASHLAND

Contact: DAVID ZIEG dzieg@jamesriverequipment.com

Test Package : CONST (Additional Tests: PQ) 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.

T: (804)798-6001 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (804)798-0292 Contact/Location: DAVID ZIEG - JAMASH