

OIL ANALYSIS REPORT

Sample Rating Trend





Area [W51889] JOHN DEERE 650J T0650JX102302 Left Final Drive Fluid

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

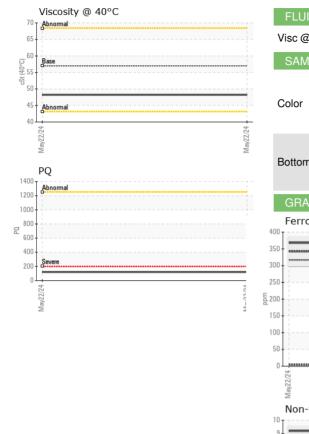
Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0212167		
Sample Date		Client Info		22 May 2024		
Machine Age	hrs	Client Info		7432		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.075	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>1250	120		
Iron	ppm	ASTM D5185m	>750	371		
Chromium	ppm	ASTM D5185m	>9	4		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>40	6		
Lead	ppm	ASTM D5185m	>15	<1		
Copper	ppm	ASTM D5185m	>40	4		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	42		
Barium	ppm	ASTM D5185m	0	1		
Molybdenum	ppm	ASTM D5185m	0	12		
Manganese	ppm	ASTM D5185m		5		
Magnesium	ppm	ASTM D5185m	145	125		
Calcium	ppm	ASTM D5185m	3570	3357		
Phosphorus	ppm	ASTM D5185m	1290	1176		
Zinc	ppm	ASTM D5185m	1640	1289		
Sulfur	ppm	ASTM D5185m		4735		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	25		
Sodium	ppm	ASTM D5185m	>51	3		
Potassium	ppm	ASTM D5185m	>20	1		
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	ocation: DAVID 2	ZIEGJAMASH
						Page 1 of 2



OIL ANALYSIS REPORT



Visc @ 40°C cSt	ASTM D445		48.2	history1	bioter
SAMPLE IMAGES	method	limit/base	current	history1	histor
Color			no image	no image	no imag
			5	0	
May22/2					
Bottom			no image	no image	no imag
GRAPHS					
Ferrous Alloys			PQ		
400 350		1300	Abnormal		
350 - 300 - nickel		1200			
250		1150	1		
<u>۾</u> 100		1050	1		
150 -		1000			
100 -		900	1		
50 -		850			
124		4Z 750			
May22/2		73(72/27/27) 70(04 65(
Non-ferrous Metals		600	•		
10 9 copper]		550	1		
8		450			
7		400	1		
Ē. 5-		300			
4		250	Courses.		
3		150			
1-		100			
54		<u> </u>) L		
May22/24		May22/24	May22/24		
Viscosity @ 40°C			Ň		
⁷⁰ Abnormal					
65 -					
60 -					
ू Base २ 55 ४४					
50 -					
45 - Abnormal					
40		+			
May22/24		May22/24			
2		×			
atory : WearCheck USA - 501 Madise				JF	RE - ASHL
le No. : JR0212167 Rece umber : 06195687 Teste		May 2024 May 2024		11047 LEA	
		May 2024 May 2024 - W	les Davis		ASHLANE US 2
ackage : CONST (Additional Tests: PC		•		Contac	t: DAVID 2

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

Report Id: JAMASH [WUSCAR] 06195687 (Generated: 06/03/2024 07:05:07) Rev: 1

Contact/Location: DAVID ZIEG - JAMASH

F: (804)798-0292