

OIL ANALYSIS REPORT

Sample Rating Trend



JOHN DEERE 744P LDR016

Component

Rear Differential

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.

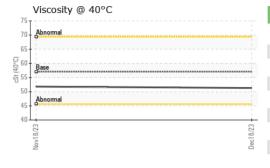
Fluid Condition

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

aAL)			Nov2023	Dec2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0886100	WC0865482	
Sample Date		Client Info		18 Dec 2023	18 Nov 2023	
Machine Age	hrs	Client Info		2515	1873	
Oil Age	hrs	Client Info		2000	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	30	22	
Chromium	ppm	ASTM D5185(m)	>10	0	0	
Nickel	ppm	ASTM D5185(m)	>10	0	<1	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	<1	
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	
Lead	ppm	ASTM D5185(m)	>25	<1	<1	
Copper	ppm	ASTM D5185(m)	>100	8	4	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)	>5	0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
	ppm	ASTM D5185(m)	6	8	3	
Barium	ppm	ASTM D5185(m)		<1	<1	
	ppm	ASTM D5185(m)	0	<1	0	
•	ppm	ASTM D5185(m)		0	0	
	ppm	ASTM D5185(m)	145	91	95	
Calcium	ppm	ASTM D5185(m)	3570	3295	3463	
	ppm	ASTM D5185(m)	1290	1027	1025	
Zinc	ppm	ASTM D5185(m)	1640	1164	1208	
Sulfur	ppm	ASTM D5185(m)		3379	3085	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	3	3	
Sodium	ppm	ASTM D5185(m)		2	2	
Potassium	ppm	ASTM D5185(m)	>20	7	0	



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Precipitate	scalar	Visual*	NONE	NONE	NONE	
Silt	scalar	Visual*	NONE	NONE	NONE	
Debris	scalar	Visual*	NONE	NONE	NONE	
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
Appearance	scalar	Visual*	NORML	NORML	NORML	
Odor	scalar	Visual*	NORML	NORML	NORML	
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	
Free Water	scalar	Visual*		NEG	NEG	
FLUID PROPERT	TES	method	limit/base	current	history1	history2

FLUID PROPE	RHES	method			history1	history
Visc @ 40°C	cSt	ASTM D7279(m)	57.0	51.3	51.8	

OMMI EL IMMALO	motriou	mini base	ourront	Thotory	riiotoryz
Color				15482	no image
Bottom			S ASS		no image
CRAPHS					

GRAPHS		
Iron (ppm)	Lead (ppm)	
2000 Severe	150 - 100 - Severe	
Abnormal	E 100 Abnormal	
- L33 + L0	0	733
Nov18/23	Dec18/23 Nov18/23	Dec18/23
Aluminum (ppm)	Chromium (ppm)	
150 Severe	30 Severe	
Abnormal	E 10 Abnormal	
23		723
Nov18/23	Dec 18/23 Nov 18/23	Dec18/23
Copper (ppm)	Silicon (ppm)	
300 Severe	300 Severe	
a 2000 Abnormal	E 200 Abnormal	
1/23 1/0		
Nov18/23	Dec18/23 Nov18/23	Dec18/23
Viscosity @ 40°C	Additives	
Abnormal	4000 calcium	
Abnomal Base Abnomal	again calcium calcium phosphorus 2000	
40 4	1000 	723
Nov18/23	Dec18/23	Dec18/23



CALA ISO 17025:2017 Accredited Laboratory

Report Id: KIR370KIR [WCAMIS] 02605376 (Generated: 12/27/2023 14:32:41) Rev: 1

Laboratory Sample No. Lab Number Unique Number : 5698461

Test Package : MOB 1

: WC0886100 : 02605376

Recieved Diagnosed

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 27 Dec 2023 : 27 Dec 2023 Diagnostician : Kevin Marson

Agnico Eagle Canada 1350 Government Rd. W, MACASSA COMPLEX

Kirkland Lake, ON CA P2N 3J1

Contact: Mitch Lamontagne AEM_KL_macassaoilsampleresults@agnicoeagle.com

T: (705)567-5208

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

F: (705)567-5221