

## [G15235] JOHN DEERE 260E 1DW260ETCJF693406 Component Center Differential Fluid JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

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Gear wear is indicated. Bearing and/or bushing wear is indicated.

## CONTAMINATION

There is a light concentration of water present in the oil.

## **FLUID CONDITION**

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0006074	WE0006148	
Sample Date		Client Info		23 May 2024	29 Dec 2023	
Machine Age	hrs	Client Info		3415	2914	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Not Changd	
Filter Changed		Client Info		Changed	Not Changd	
Sample Status				SEVERE	SEVERE	
PQ		ASTM D8184		<b>1245</b>	▲ 1091	
Iron	ppm	ASTM D5185m	>500	<b>2431</b>	<b>1</b> 841	
Chromium	ppm	ASTM D5185m	>10	<b>1</b> 0	8	
Nickel	ppm	ASTM D5185m	>10	<b>2</b> 0	17	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>25	3	3	
Lead	ppm	ASTM D5185m	>25	0	<1	
Copper	ppm	ASTM D5185m	>100	<b>1457</b>	<b>1</b> 117	
Tin	ppm	ASTM D5185m	>10	<b>4</b> 8	<b>4</b> 39	
Vanadium	ppm	ASTM D5185m		<1	<1	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	52	41	
Potassium	ppm	ASTM D5185m	>20	<1	3	
Water	%	ASTM D5100III	>.2	<ul><li>&lt;1</li><li>▲ 0.314</li></ul>	0.287	
ppm Water	ppm	ASTM D0304	>2000	▲ 3140	▲ 2870	
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	▲ 0.2%	0.2%	
	·····		2.L		0.270	
Sodium	ppm	ASTM D5185m		8	8	
Boron	ppm	ASTM D5185m	6	54	46	
Barium	ppm	ASTM D5185m	0	9	6	
Molybdenum	ppm	ASTM D5185m	0	12	9	
Manganese	ppm	ASTM D5185m		59	46	
Magnesium	ppm	ASTM D5185m	145	63	56	
Calcium	ppm	ASTM D5185m	3570	3370	2852	
Phosphorus	ppm	ASTM D5185m	1290	1226	1089	
Zinc	ppm	ASTM D5185m	1640	1438	1304	
Sulfur	ppm	ASTM D5185m		4116	3365	

ASTM D445 57.0

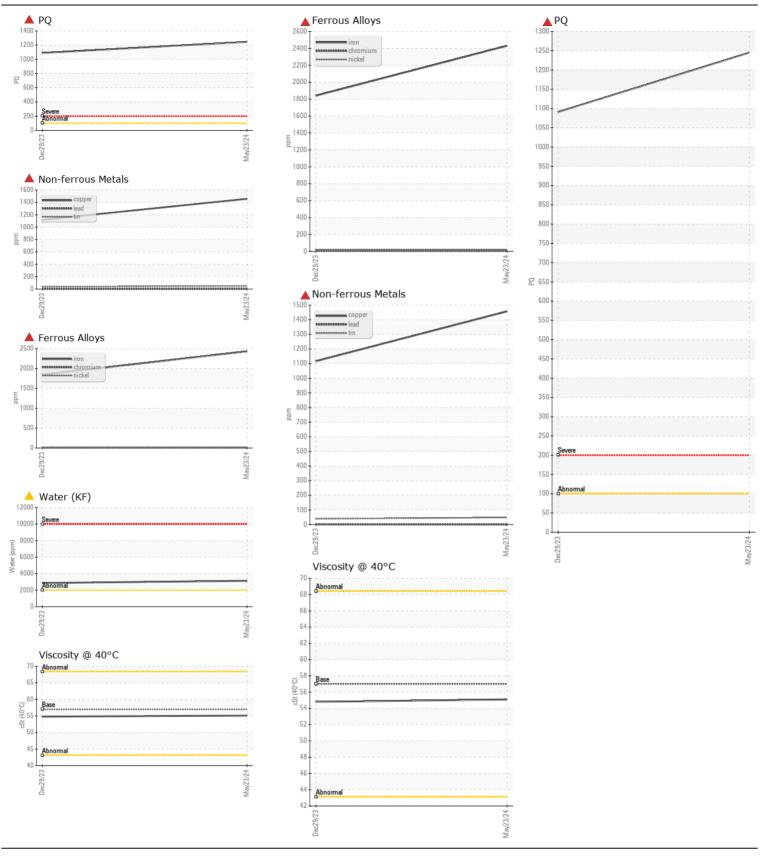
Visc @ 40°C

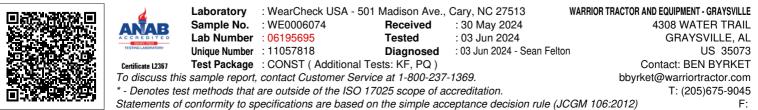
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Contact/Location: BEN BYRKET - WARGRAAL

54.8

55.1





Contact/Location: BEN BYRKET - WARGRAAL Page 2 of 2