

Area



[W67070] Machine Id JOHN DEERE 524K 1DW524KZTJF688376 Component Rear Differential

JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W67070)

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All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

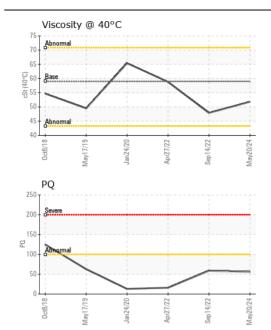
FLUID CONDITION

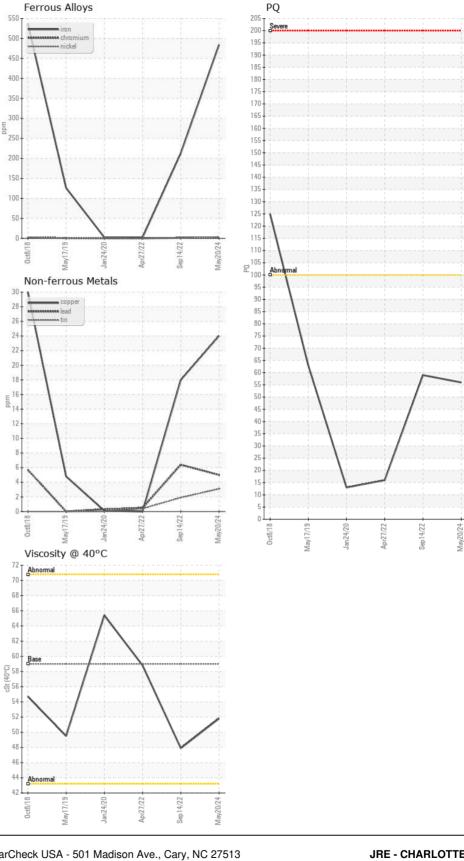
The condition of the oil is acceptable for the time in service.

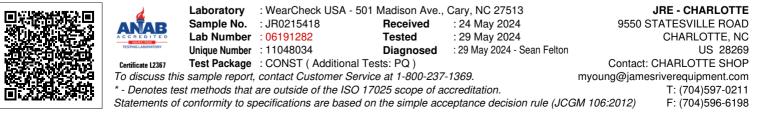
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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215418	JR0143725	JR0119033
Sample Date		Client Info		20 May 2024	14 Sep 2022	27 Apr 2022
Machine Age	hrs	Client Info		4544	3464	2956
Oil Age	hrs	Client Info		4036	0	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184		56	59	16
Iron	ppm	ASTM D5185m	>500	484	213	2
Chromium	ppm	ASTM D5185m	>10	3	1	<1
Nickel	ppm	ASTM D5185m	>10	3	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	1	2	1
Lead	ppm	ASTM D5185m	>25	5	6	<1
Copper	ppm	ASTM D5185m	>100	24	18	0
Tin	ppm	ASTM D5185m	>10	3	2	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	32	13	5
Potassium	ppm	ASTM D5185m	>20	3	0	0
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	3	<1
Boron	ppm	ASTM D5185m		2	9	3
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		2	3	<1
Manganese	ppm	ASTM D5185m		7	3	<1
Magnesium	ppm	ASTM D5185m		101	96	113
Calcium	ppm	ASTM D5185m		3424	3326	3542
Phosphorus	ppm	ASTM D5185m		1064	935	1062
Zinc	ppm	ASTM D5185m		1176	1185	1210
Sulfur	ppm	ASTM D5185m		4333	3580	3316
Visc @ 40°C	cSt	ASTM D445	59	51.8	47.9	58.8

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Submitted By: Mike Young - CHARLOTTE SHOP







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