

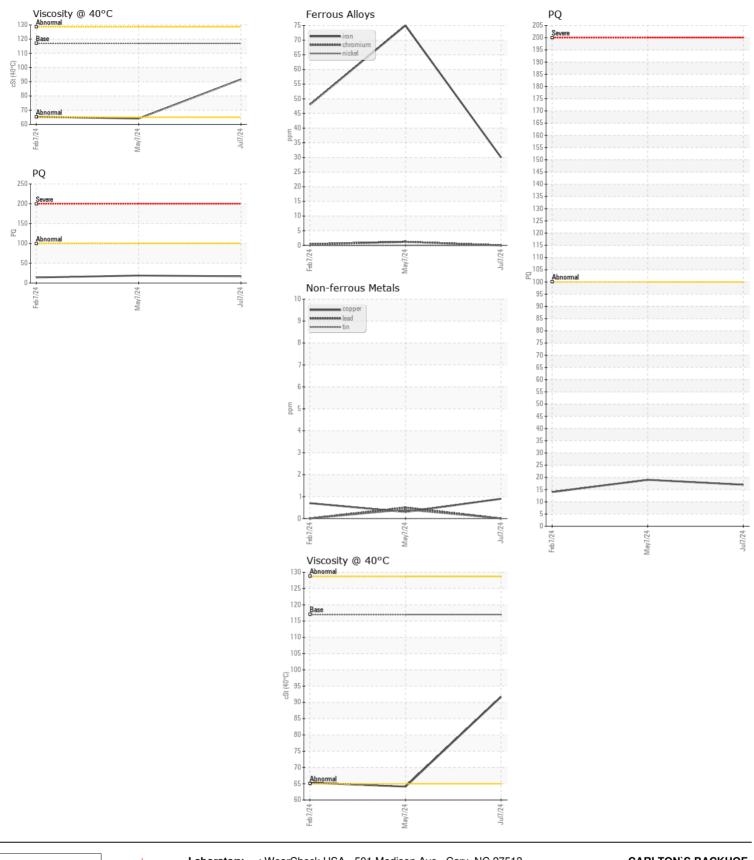
Machine Id JOHN DEERE 160G 1FF160GXJNF058862 Component Pump Drive Fluid JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

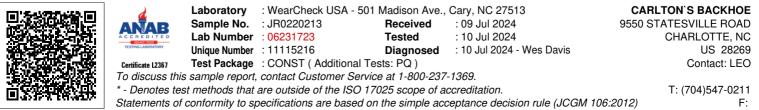
					·		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0220213	JR0215410	JR0204119
	Sample Date		Client Info		07 Jul 2024	07 May 2024	07 Feb 2024
	Machine Age	hrs	Client Info		949	913	0
	Oil Age	hrs	Client Info		36	913	500
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Not Changd
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
						10	
WEAR	PQ		ASTM D8184		17	19	14
All component wear rates are normal.	Iron	ppm	ASTM D5185m		30	75	48
	Chromium	ppm	ASTM D5185m		0	1	<1
	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		3	10	6
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		<1	<1	<1
	Tin	ppm	ASTM D5185m	>4	0	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>31	9	24	19
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1	1	4
	Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>51	3	5	0
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		261	65	58
	Barium	ppm	ASTM D5185m		<1	5	13
	Molybdenum	ppm	ASTM D5185m		235	106	107
	Manganese	ppm	ASTM D5185m		1	4	2
	Magnesium	ppm	ASTM D5185m		740	13	13
	Calcium	ppm	ASTM D5185m		1777	3990	3686
	Phosphorus	ppm	ASTM D5185m		1008	1132	1094
	Zinc	ppm	ASTM D5185m		1116	1264	1254
	Sulfur	ppm	ASTM D5185m		4224	9210	8706

Visc @ 40°C

cSt

ASTM D445 117 91.7 64.1 65.3 Submitted By: Mike Young - CHARLOTTE SHOP





Submitted By: Mike Young - CHARLOTTE SHOP Page 2 of 2