

Machine Id JOHN DEERE 160G 1FF160GXKMF058261 Component Pump Drive Fluid JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0211449	JR0164283	
	Sample Date		Client Info		07 May 2024	23 Jul 2023	
	Machine Age	hrs	Client Info		2101	1243	
	Oil Age	hrs	Client Info		0	1243	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	Changed	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	NORMAL	
WEAR	PQ		ASTM D8184		28	16	
All component wear rates are normal.	Iron	ppm	ASTM D5185m	>151	104	66	
	Chromium	ppm	ASTM D5185m	>11	2	2	
	Nickel	ppm	ASTM D5185m	>10	0	0	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>21	8	3	
	Lead	ppm	ASTM D5185m	>51	<1	0	
	Copper	ppm	ASTM D5185m	>51	0	1	
	Tin	ppm	ASTM D5185m	>4	<1	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION Elemental level of silicon (Si) above normal indicating ingress of seal material.	Silicon	ppm	ASTM D5185m	>31	▲ 31	14	
	Potassium	ppm	ASTM D5185m	>20	<1	1	
	Water		WC Method	>0.1	NEG	NEG	
	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	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>51	4	6	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		302	65	
	Barium	ppm	ASTM D5185m		2	5	
	Molybdenum	ppm	ASTM D5185m		241	108	
	Manganese	ppm	ASTM D5185m		2	3	
	Magnesium	ppm	ASTM D5185m		715	23	
	Calcium	ppm	ASTM D5185m		1619	4447	
	Phosphorus	ppm	ASTM D5185m		917	1259	
	Zinc	ppm	ASTM D5185m		1005	1438	

Sulfur

Visc @ 40°C

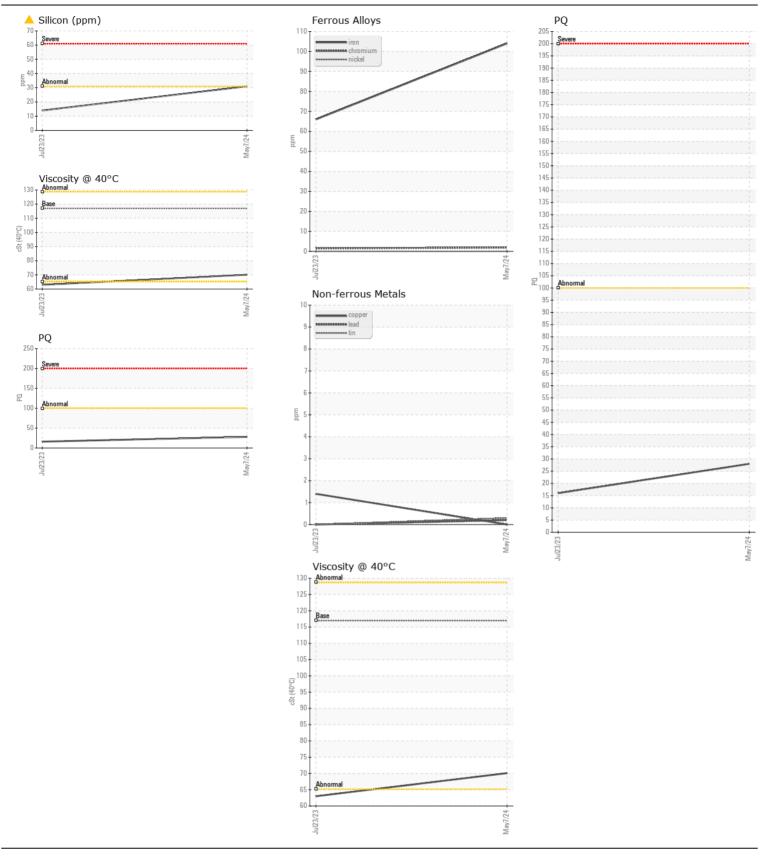
ppm ASTM D5185m

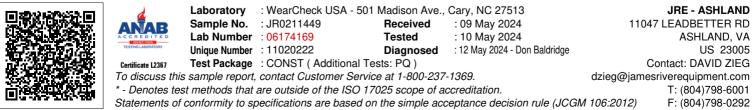
cSt

ASTM D445 117 **70.1** 63.0 ---Contact/Location: DAVID ZIEG - JAMASH

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