

Machine Id JOHN DEERE 850L 1T0850LXPNF429766 Component Hydraulic System Fluid JOHN DEERE HYDRAU (--- QTS)

RECOMMENDATION

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.



All component wear rates are normal.

CONTAMINATION

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

FLUID CONDITION

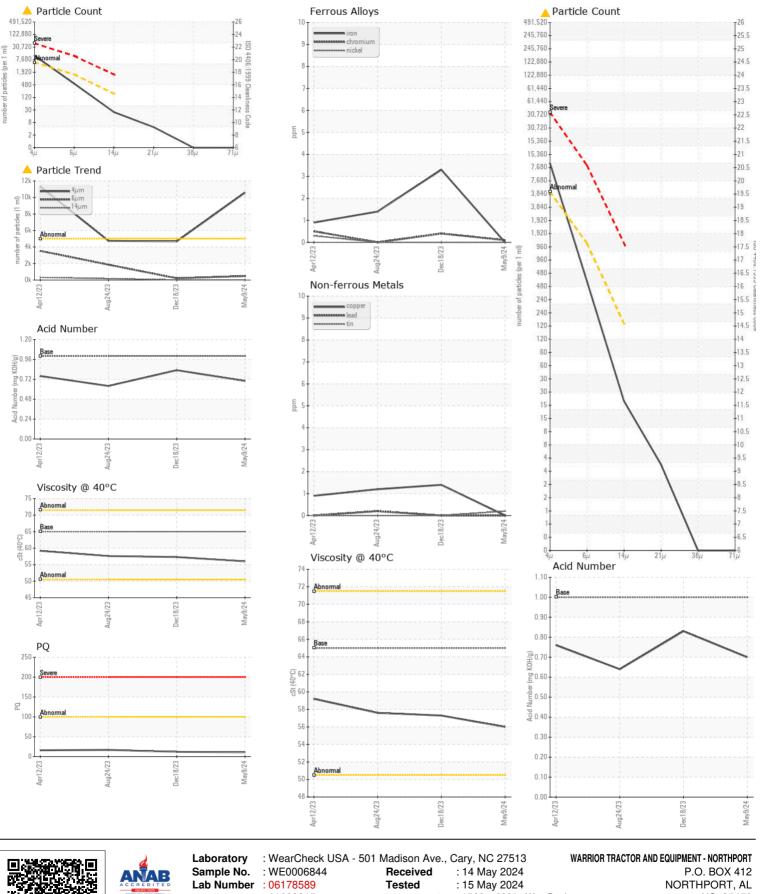
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WE0006844	WE0006534	WE0005001
	Sample Date		Client Info		09 May 2024	18 Dec 2023	24 Aug 2023
	Machine Age	hrs	Client Info		2021	1747	1019
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		Changed	N/A	N/A
	Sample Status				ABNORMAL	NORMAL	ATTENTION
• -							
	PQ		ASTM D8184		11	12	17
	Iron	ppm	ASTM D5185m	>20	0	3	1
	Chromium	ppm	ASTM D5185m	>10	<1	<1	0
	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium Silver	ppm	ASTM D5185m		0	<1 0	0
		ppm	ASTM D5185m	>10	•		1
	Aluminum Lead	ppm	ASTM D5185m	>10	<1 0	2	<1
		ppm	ASTM D5185m ASTM D5185m	>75	0	1	1
	Copper Tin	ppm	ASTM D5185m ASTM D5185m	>10	0 <1	0	0
	Vanadium	ppm	ASTM D5185m	>10	<1 0	0	0
	White Metal	ppm scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
			v isuai				NONE
	Silicon	ppm	ASTM D5185m	>20	4	4	1
	Potassium	ppm	ASTM D5185m	>20	2	4	4
	Water		WC Method	>0.1	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>5000	10578	4676	4745
	Particles >6µm		ASTM D7647	>1300	482	213	1857
	Particles >14µm		ASTM D7647	>160	21	10	170
	Particles >21µm		ASTM D7647	>40	4	3	41
	Particles >38µm		ASTM D7647	>10	0	0	1
	Particles >71µm		ASTM D7647	>3	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	19/15/10	9/18/15
	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 *Visual	NORML	NORML	NORML	NORML
-	Emulsified Water	scalar	visual	>0.1	NEG	NEG	NEG
	Sodium	ppm	ASTM D5185m		<1	0	0
	Boron	ppm	ASTM D5185m		0	0	0
	Barium	ppm	ASTM D5185m		2	7	2
	Molybdenum	ppm	ASTM D5185m		0	0	<1
	Manganese	ppm	ASTM D5185m		0	0	0
	Magnesium	ppm	ASTM D5185m		12	<1	<1
	Calcium	ppm	ASTM D5185m	87	420	81	90
	Phosphorus	ppm	ASTM D5185m	727	748	718	654
	Zinc	ppm	ASTM D5185m	900	898	884	875
	Sulfur	ppm	ASTM D5185m	1500	2110	1829	1868
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.70	0.83	0.64
	Vina @ 10°C	~C+	ACTM D44F	CE	EC O	E7 0	EZC

Visc @ 40°C cSt ASTM D445 65

57.3 57.6

56.0



 Unique Number
 : 11029915
 Diagnosed
 : 15 May 2024 - Wes Davis

 Certificate L2367
 Test Package
 : CONST (Additional Tests: PQ)
 CO

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 server

 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

NOR THPORT, AL US 35476 Contact: CRAIG ANDOE serve01@warriortractor.com T: (205)339-0300 106:2012) F:

Contact/Location: CRAIG ANDOE - WARNOR Page 2 of 2