

ABNORMAL WEAR NORMAL CONTAMINATION FLUID CONDITION NORMAL



Store 4 - Fairmont JOHN DEERE 250G 1FF250GXLNF611927

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (5 GAL)

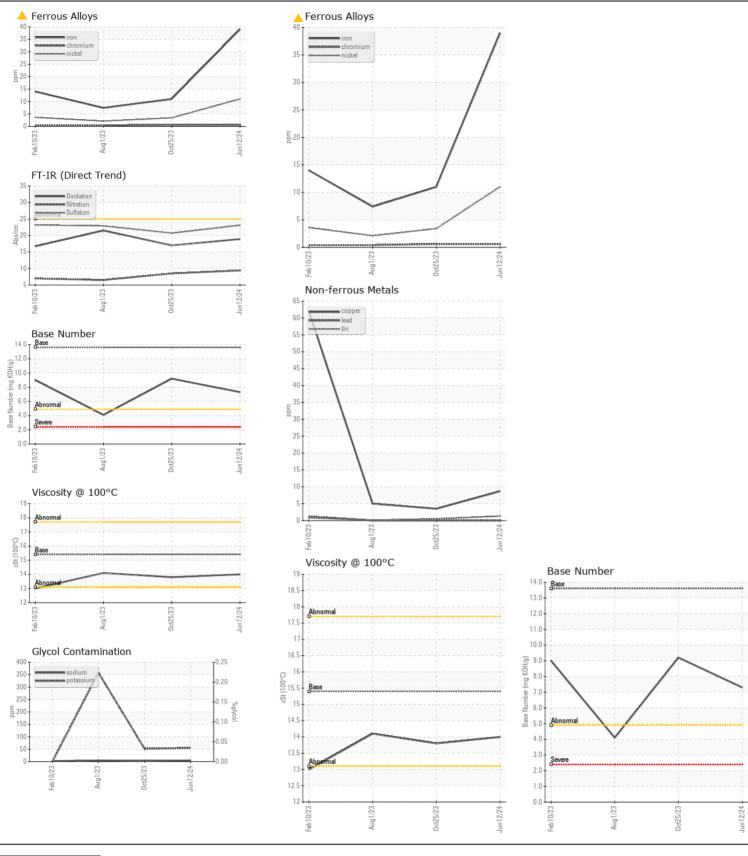
Test	UOM	Method	Limit/Abn		History1	History2
Sample Number		Client Info		LEC0051637	LEC0045527	LEC004384
				12 Jun 2024	25 Oct 2023	01 Aug 202
Machine Age	hrs	Client Info		1662	1429	1177
Oil Age	hrs	Client Info				528
Filter Age	hrs	Client Info		485	252	528
-		Client Info		Changed	Not Changd	Changed
-		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMA
Iron	ppm	ASTM D5185m	>51	39	11	7
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	1 1	3	2
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>31	7	7	1
Lead	ppm	ASTM D5185m	>26	0	0	0
Copper	ppm	ASTM D5185m	>26	9	4	5
Tin	ppm	ASTM D5185m	>4	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	maa	ASTM D5185m	>!20	10	8	9
						▲ 358
	pp					<1.0
						NEG
	%		,			NEG
			>3			0.2
						6.5
						22.9
						NONE
						NONE
						NONE
				-		NORM
						NORM
Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
Sodium		ASTM D5185m	<u>_</u> 31	5	4	5
			201			671
						0
						959
						<1
-						207
-						664
						167
						213
Cultur	0000					
Sulfur	ppm	ASTM D5185m	. 05	3369	3452	2612
Sulfur Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414		3369 18.9 7.3	17.0 9.2	2012 21.5 4.1
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Silt Debris Sand/Dirt Appearance Odor	Sample NumberSample DateMachine AgehrsOil AgehrsFilter AgehrsOil ChangedFilter ChangedFilter Changedsample StatusIronppmChromiumppmNickelppmTitaniumppmSilverppmAluminumppmLeadppmTinppmVanadiumppmWhite MetalscalarYellow MetalscalarSiliconppmFuel%NitrationAbs/cmSulfationAbs/lmmSiltscalarDebrisscalarSand/DirtscalarAppearancescalarAppearancescalarMolybdenumppmMaganeseppmMagnesiumppmPortppmMagnesiumppmMagnesiumppmPosphorusppm	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoFilter ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoSample StatusSilverIronppmASTM D5185mChromiumppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mLeadppmASTM D5185mLeadppmASTM D5185mCopperppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mFuelWC MethodWaterWC MethodGlycol%*ASTM D5185mFuelWC MethodGlycol%*ASTM D7844NitrationAbs/cm*ASTM D7844NitrationAbs/cm*ASTM D7844NitrationAbs/cm*VisualDebrisscalar*VisualAppearancescalar*VisualAppearancescalar*VisualAppearancescalar*VisualManganeseppmASTM D5185mManganeseppmASTM D5185mMagnesiumppmASTM D5185mManganeseppmASTM D5185mPhosphorusppmASTM D5185m <th>Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoIronppmASTM D5185mChromiumppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSiloenppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mValuminumppmASTM D5185mVanadiumppmASTM D5185mValuescalar*VisualWhite Metalscalar*VisualSiliconppmASTM D5185mPotassiumppmASTM D5185mSoot %%*ASTM D7624Soot %%*ASTM D7415Silitscalar*VisualNONESand/DirtscalarAppearancescalar*VisualNORMLScalar*VisualAppearancescalar*VisualManganeseppmASTM D5185mBariumppmASTM D5185mBariumpp</th> <td>Sample NumberClient InfoLEC0051637Sample DateClient Info12 Jun 2024Machine AgehrsClient Info1662Oil AgehrsClient Info485Filter AgehrsClient InfoChangedOil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient InfoChangedIronppmASTM D5185m>51NickelppmASTM D5185m>511NickelppmASTM D5185m>300AluminumppmASTM D5185m>317LeadppmASTM D5185m>260CopperppmASTM D5185m>260CopperppmASTM D5185m>260VanadiumppmASTM D5185m>260VanadiumppmASTM D5185m>260VanadiumppmASTM D5185m>1010PotassiumppmASTM D5185m>12010PotassiumppmASTM D5185m>2055FuelWC Method>0.21NEGSolifationAbs/rmm<"rksTM D7415</td> >3023.1Siltscalar*VisualNONENONESulfationAbs/rmm<"rksTM D7415	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoIronppmASTM D5185mChromiumppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSiloenppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mValuminumppmASTM D5185mVanadiumppmASTM D5185mValuescalar*VisualWhite Metalscalar*VisualSiliconppmASTM D5185mPotassiumppmASTM D5185mSoot %%*ASTM D7624Soot %%*ASTM D7415Silitscalar*VisualNONESand/DirtscalarAppearancescalar*VisualNORMLScalar*VisualAppearancescalar*VisualManganeseppmASTM D5185mBariumppmASTM D5185mBariumpp	Sample NumberClient InfoLEC0051637Sample DateClient Info12 Jun 2024Machine AgehrsClient Info1662Oil AgehrsClient Info485Filter AgehrsClient InfoChangedOil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient InfoChangedIronppmASTM D5185m>51NickelppmASTM D5185m>511NickelppmASTM D5185m>300AluminumppmASTM D5185m>317LeadppmASTM D5185m>260CopperppmASTM D5185m>260CopperppmASTM D5185m>260VanadiumppmASTM D5185m>260VanadiumppmASTM D5185m>260VanadiumppmASTM D5185m>1010PotassiumppmASTM D5185m>12010PotassiumppmASTM D5185m>2055FuelWC Method>0.21NEGSolifationAbs/rmm<"rksTM D7415	Sample NumberClient InfoLEC0051637LEC004527Sample DateClient Info12 Jun 202425 Oct 2023Machine AgehrsClient Info485252Oil AgehrsClient Info485252Filter AgehrsClient Info485252Oil ChangedClient InfoChangedNot ChangedFilter ChangedClient InfoChangedNot ChangedFilter ChangedClient InfoChangedNot ChangedSample StatusASTM D5185m>513911IronppmASTM D5185m>513911NickelppmASTM D5185m>1<1

Visc @ 100°C cSt ASTM D445 15.4

14.1

13.8

14.0



LESLIE EQUIPMENT COMPANY Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 105 TENNIS CENTER DR. : LEC0051637 : 18 Jun 2024 Lab Number : 06213310 Tested MARIETTA, OH : 20 Jun 2024 : 20 Jun 2024 - Sean Felton US 45750-9765 Unique Number : 11086174 Diagnosed Test Package : CONST (Additional Tests: Glycol, TBN) Contact: LEANNE KENDALL Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. KendalLeanne@lec1.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: (740)373-5570

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: JOHN MARTIN Page 2 of 2