

ABNORMAL WEAR NORMAL CONTAMINATION **FLUID CONDITION** NORMAL



Store 3 - Norton JOHN DEERE 210GL 1FF210GXCNF530281

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (6 GAL)

Test	UOM	Method	Limit/Abn		History1	History2
Sample Number		Client Info			LEC0041987	LEC003925
		Client Info			12 Jun 2023	20 Jan 202
•	hrs	Client Info			632	231
-	hrs	Client Info				231
-	hrs	Client Info		470		231
Oil Changed		Client Info		Changed	Changed	Not Chang
Filter Changed		Client Info		Changed	Changed	Not Chang
Sample Status				ABNORMAL	ABNORMAL	ABNORMA
Iron	ppm	ASTM D5185m	>51	44	69	34
Chromium	ppm	ASTM D5185m	>11	1	2	1
Nickel		ASTM D5185m	>5	16	28	14
Titanium		ASTM D5185m		<1	<1	<1
Silver		ASTM D5185m	>3	0	0	0
Aluminum		ASTM D5185m	>31	6	6	4
Lead		ASTM D5185m	>26	0	1	2
Copper		ASTM D5185m	>26	6 1	425	2 67
Tin		ASTM D5185m	>4	1	3	2
Vanadium		ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon		4STM D5185m	<i20< td=""><th>11</th><td>16</td><td>13</td></i20<>	11	16	13
						3
	ррпп					0.5
						NEG
			20.L1			NEG
-	%		>3			0.3
						8.5
						22.3
						NONE
						NONE
						NONE
				-		NORN
						NORN
		*Visual	>0.21	NEG	NEG	NEG
Codium			. 01		7	6
			>31			6 244
						2
						235
-						5
-						794
						1383
						837
	ppm	ASTM D5185m		1239	1129	1036
Zinc		AOTM DEADE		0000	0000	0474
Sulfur	ppm	ASTM D5185m	05	2990	3326	3474
	ppm Abs/.1mm	*ASTM D7414		2990 19.1 8.6	3326 23.2 7.9	3474 17.6 9.5
-	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 Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor	Sample NumberSample DateMachine AgehrsOil AgehrsFilter AgehrsOil ChangedFilter ChangedFilter Changedsample StatusIronppmChromiumppmNickelppmTitaniumppmSilverppmAluminumppmLeadppmTinppmVanadiumppmWhite MetalscalarYellow MetalscalarSiliconppmFuelyaterGlycolscalarSoot %%NitrationAbs/cmSulfationAbs/lmmSiltscalarCoporscalarSoot %%SulfationAbs/lmmSiltscalarSodiumppmMolybdenumppmManganeseppmMagnesiumppmColciumppm	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoSample StatusSilverIronppmASTM D5185mNickelppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mLeadppmASTM D5185mCopperppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVaterWC MethodSiliconppmASTM D5185mFuelWC MethodSoot %%*ASTM D5185mSulfationAbs/cm<*ASTM D5185m	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusSample StatusIronppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mVanadiumppmASTM D5185mVhite Metalscalar*VisualVisualNONESiliconppmASTM D5185mVellow Metalscalar*VisualSiliconppmASTM D5185mPotassiumppmASTM D5185mSiliconppmASTM D5185mSiliconppmASTM D5185mSiliconppmASTM D5185mSoot %%*ASTM D7844Soot %%*ASTM D7415Soilf scalar*VisualNONESand/Dirtscalar*VisualAppearancescalar*VisualOdorscalar*VisualAppearancescalar*VisualAppearancescalar*VisualAppearancescalar*VisualAppearancescalar*VisualManganesep	Sample NumberClient InfoLEC0040023Sample DateClient Info03 Nov 2023Machine AgehrsClient Info1102Oil AgehrsClient Info470Filter AgehrsClient Info470Oil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusABNORMALIronppmASTM D5185m>51Machine MpmASTM D5185m>51NickelppmASTM D5185m>3OAIuminumppmASTM D5185m>3SilverppmASTM D5185m>30AluminumppmASTM D5185m>260CopperppmASTM D5185m>260CopperppmASTM D5185m>260VanadiumppmASTM D5185m>260White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>202FuelWC Method>2.1<1.0	Sample NumberClient InfoLEC0040023LEC0041987Sample DateClient Info03 Nov 202312 Jun 2023Machine AgehrsClient Info470632Oil AgehrsClient Info470632Filter AgehrsClient Info470632Oil ChangedClient InfoChangedChangedChangedSample StatusClient InfoChangedChangedChangedFilter ChangedClient InfoABNORMALABNORMALAsmple StatusASTM D5185n>514469ChromiumppmASTM D5185n>51628TitaniumppmASTM D5185n>51628NickelppmASTM D5185n>300AluminumppmASTM D5185n>3166LeadppmASTM D5185n>2601CopperppmASTM D5185n>2601VanadiumppmASTM D5185n>2601Watescalar"VisualNONENONENONESiliconppmASTM D5185n>2024FuelWC Method>2.211116PotassiumppmASTM D5185n>2024VanadiumppmASTM D5185n>2024VanadiumppmASTM D5185n>2024VanadiumppmASTM D5185n>2024<

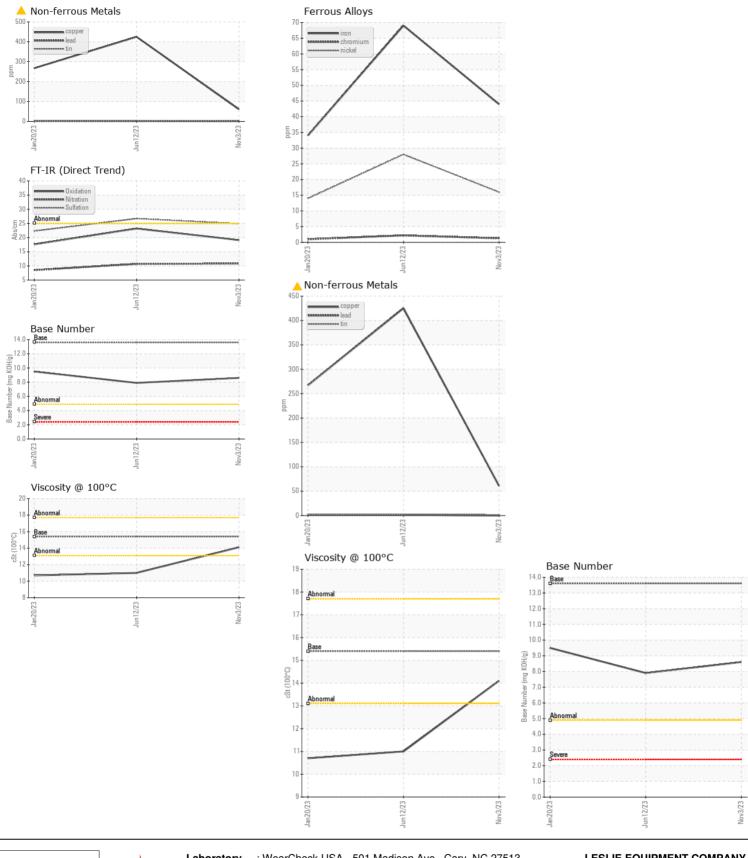
Visc @ 100°C cSt

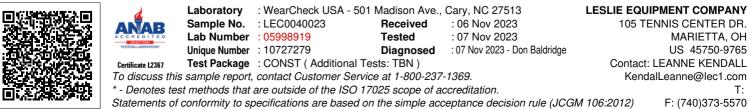
11.0

0 10.7

14.1

ASTM D445 15.4





Submitted By: STORE 3 - NORTON - BRIAN YOUTZY Page 2 of 2