

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

History2

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0

0.14

46.8 ----



Store 4 - Fairmont **JOHN DEERE 160G 1FF160GXENF058790**

Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (56 GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History
Sample Number		Client Info		LEC0047863	LEC0038205	
Sample Date		Client Info		20 Feb 2024	28 Apr 2023	
Machine Age	hrs	Client Info		925	337	
-	hrs					
	hrs					
				U U	Ŭ	
-		Client Into		•	Ŭ	
Sample Status				NORMAL	NORMAL	
PQ		ASTM D8184	>50	12	13	
Iron	ppm	ASTM D5185m	>32	1	<1	
Chromium	ppm			<1	0	
Nickel	ppm		>5	0	0	
Titanium	ppm			0	0	
	ppm			0		
	ppm					
	ppm					
	ppm					
			>5			
			NONE	-		
Yellow Metal	scalar	^Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>11	<1	<1	
Potassium	ppm	ASTM D5185m	>20	0	1	
Water		WC Method	>0.075	NEG	NEG	
Particles >4µm		ASTM D7647	>80000	4712	1812	
Particles >6µm				398	325	
Particles >14µm		ASTM D7647	>640	26		
				6		
				-		
				-		
	Scalal	visual	>0.075	NEG	NEG	
Sodium	ppm	ASTM D5185m	>21	1	<1	
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		0	6	
	ppm	ASTM D5185m		0	<1	
Phosphorus	ppm			452	480	
Zinc	ppm	ASTM D5185m	0	23	27	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status PQ Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium Uhite Metal Yellow Metal Silicon Potassium Water Particles >4µm Particles >6µm Particles >4µm Particles >6µm Particles >14µm Particles >14µm	Sample NumberSample DateMachine AgehrsOil AgehrsFilter AgehrsOil ChangedFilter ChangedFilter Changed Sample StatusPQIronppmChromiumppmNickelppmTitaniumppmAluminumppmLeadppmCopperppmTinppmVanadiumppmVanadiumppmVanadiumppmVaricles >6µmparticles >6µmParticles >14µmparticles >6µmParticles >14µmscalarSiliconppmVaterscalarSiliconppmParticles >14µmparticles >6µmParticles >14µmscalarSilitscalarSiltscalarSolitscalarSodiumppmBoronscalarSodiumppmManganeseppmMagnesiumppmParticles ppmppm	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoNickelppmASTM D5185mNickelppmASTM D5185mNickelppmASTM D5185mAluminumppmASTM D5185mLeadppmASTM D5185mCopperppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVaricles >4µmASTM D5185mVaricles >4µmASTM D5185mVaricles >4µmASTM D5185mVaterWC MethodParticles >6µmASTM D7647Particles >1µmASTM D7647Particles >21µmASTM D5185mGodorscalar*VisualDebrisscalar*VisualAppearancescalar*VisualAppearancescalar*VisualAppearancescalar*VisualManganeseppmASTM D5185mMagnesiumppmAS	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoFilter AgeMrsClient InfoFilter ChangedClient InfoSample StatusClient InfoPQASTM D8184>50IronppmASTM D5185mPQASTM D5185m>32ChromiumppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mAluminumppmASTM D5185mSilverppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mYellow Metalscalar"VisualSiliconppmASTM D5185m>20Yetlow Metalscalar"VisualSiliconppmASTM D5185m>20VaterWC Method>0.075Particles >4µmASTM D7647>20000Particles >51µmASTM D7647>40Particles >38µmASTM D7647>40Particles >14µmASTM D7647>10Oil Cleanlinessscalar"VisualNOREscalar"VisualNOREAppearancescalar"VisualNOREAppearancescalar"VisualNOREAppearancescalar"VisualNOREAppearancescalar"VisualNORE<	Sample NumberClient InfoLEC0047863Sample DateClient Info20 Feb 2024Machine AgehrsClient Info925Oil AgehrsClient Info925Filter AgehrsClient Info925Oil ChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedSample StatusClient InfoNot ChangedPQASTM D5185m>9<1	Sample Number Client Info LEC0047863 LEC0038205 Sample Date Client Info 925 337 Oil Age hrs Client Info 925 337 Oil Age hrs Client Info 925 337 Oil Changed Itent Info 925 337 Oil Changed Client Info 925 337 Not Changed Client Info Not Changed Not Changed Filter Changed Client Info Status Not Changed PQ ASTM D5185m 32 1 <1

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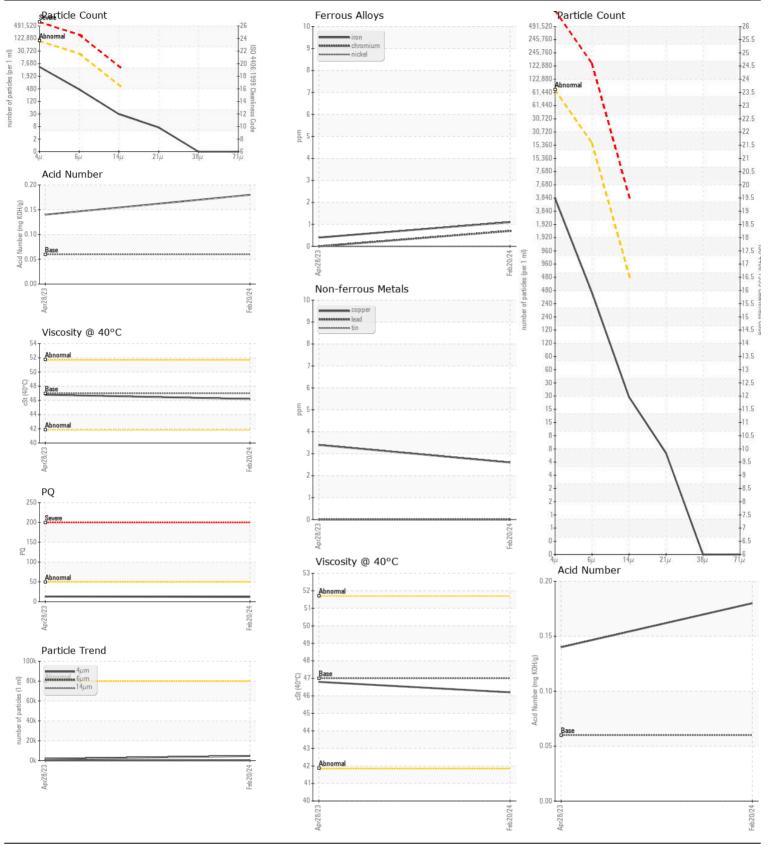
0.18

46.2

ppm Sulfur ppm ASTM D5185m 13

Acid Number (AN) mg KOH/g ASTM D8045 0.06

Visc @ 40°C cSt ASTM D445 47



LESLIE EQUIPMENT COMPANY Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 105 TENNIS CENTER DR. Sample No. : LEC0047863 Received : 26 Feb 2024 Tested Lab Number : 06100051 : 27 Feb 2024 MARIETTA, OH Unique Number : 10898281 : 27 Feb 2024 - Don Baldridge US 45750-9765 Diagnosed Test Package : CONST (Additional Tests: PQ) 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: STORE 4 - FAIRMONT - KENNY HARVEY