

WEAR CONTAMINATION FLUID CONDITION **ABNORMAL NORMAL NORMAL**

Store 3 - Norton

JOHN DEERE 350G 1FF350GXCLE808809

Component Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (7 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		LECP134220		
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service	Sample Date		Client Info		29 Jan 2013		
	Machine Age	hrs	Client Info		582		
interval to monitor.	Oil Age	hrs	Client Info		582		
	Filter Age	hrs	Client Info		582		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
IIIFA B							
WEAR	Iron	ppm	ASTM D5185m		95		
The copper level is abnormal. All other metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m		2		
	Nickel	ppm	ASTM D5185m		5		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		6		
	Lead	ppm	ASTM D5185m		2		
	Copper	ppm	ASTM D5185m		△ 306		
	Tin	ppm	ASTM D5185m		2		
	Vanadium	ppm	ASTM D5185m	NONE	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		8		
There is no indication of any contamination in the component.	Potassium	ppm	ASTM D5185m		7		
	Fuel	%	ASTM D3524		0.0		
	Water		WC Method		NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844		0.4		
	Nitration	Abs/cm	*ASTM D7624		9.		
	Sulfation	Abs/.1mm	*ASTM D7415		24.		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual		NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		8		
I LOID CONDITION	Boron	ppm	ASTM D5185m		172		
The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		2		
	Molybdenum	ppm	ASTM D5185m		_ 192		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m		600		
	Calcium	ppm	ASTM D5185m		1474		
	Phosphorus	ppm	ASTM D5185m		898		
	Zinc	ppm	ASTM D5185m		994		
	Sulfur	ppm	ASTM D5185m		2325		
	Oxidation	Abs/.1mm	*ASTM D7414		19.		
	Base Number (BN)				9.77		
	Visc @ 100°C	cSt	ASTM D445		11.73		
	Fluid Type		*In-house		UNKNOWN		
)						





Laboratory Sample No. Lab Number **Unique Number**

: 03221049

: LECP134220 : 6158632

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved Diagnosed

: 01 Feb 2013 : 05 Feb 2013 Diagnostician : Don Baldridge LESLIE EQUIPMENT COMPANY

105 TENNIS CENTER DR. MARIETTA, OH US 45750-9765

Test Package : MOB 2 (Additional Tests: FluidDetermination, FuelDilution, PercentFueQontact: LEANNE KENDALL To discuss this sample report, contact Customer Service at 1-800-237-1369.

KendalLeanne@lec1.com T:

* - 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)

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