

Store 8 - Pikeville [152988] Machine Id JOHN DEERE 60G 1FF060GXHPJ297105

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (3 GAL)

RECOMMENDATION		Test	UOM	Method	Limit/Abn	Current	History1	History
		Sample Number		Client Info		LEC0044234		
Dil and filter change at the time of sa	1 0	Sample Date		Client Info		15 Jul 2024		
ecommend an early resample to mo	nitor this condition.	Machine Age	hrs	Client Info		418		
		Oil Age	hrs	Client Info		418		
		Filter Age	hrs	Client Info		418		
		Oil Changed		Client Info		Changed		
		Filter Changed		Client Info		Changed		
		Sample Status				ABNORMAL		
		lkon			. 51	00		
VEAR	Iron Chromium	ppm	ASTM D5185m ASTM D5185m		26 <1			
Metal levels are typical for a new com	nponent breaking in.	Nickel	ppm	ASTM D5185m		1		
		Titanium	ppm ppm	ASTM D5185m	>5	۱ <1		
		Silver	ppm	ASTM D5185m	-3	0		
		Aluminum	ppm	ASTM D5185m		6		
		Lead	ppm	ASTM D5185m		ہ <1		
		Copper	ppm	ASTM D5185m		7		
		Tin	ppm	ASTM D5185m		1		
		Vanadium	ppm	ASTM D5185m		<1		
		White Metal	scalar	*Visual	NONE	NONE		
		Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	high. Fuel content negligible. normal indicating ingress of seal	Silicon	ppm		>!20	4 54		
Sodium and/or potassium levels are		Potassium	ppm	ASTM D5185m		A 228		
Elemental level of silicon (Si) above r		Fuel	%	ASTM D3524		0.9		
material. Test for glycol is negative.		Water	-	WC Method	>0.21	NEG		
		Glycol	%	*ASTM D2982	0	NEG		
		Soot %	%	*ASTM D7844		0.2		
		Nitration	Abs/cm	*ASTM D7624	>20	8.2		
		Sulfation	Abs/.1mm	*ASTM D7415		17.4		
		Silt Debris	scalar	*Visual	NONE	NONE		
		Sand/Dirt	scalar	*Visual *Visual	NONE NONE	NONE NONE		
		Appearance	scalar scalar	*Visual	NORML	NORML		
		Odor	scalar	*Visual	NORML	NORML		
		Emulsified Water		*Visual	>0.21	NEG		
			Jouran	10000	20.21			
LUID CONDITION		Sodium	ppm	ASTM D5185m	>31	18		
		Boron	ppm	ASTM D5185m		233		
The oil viscosity is lower than normal there is suitable alkalinity remaining in		Barium	ppm	ASTM D5185m		6		
		Molybdenum	ppm	ASTM D5185m		198		
		Manganese	ppm	ASTM D5185m		<1		
		Magnesium	ppm	ASTM D5185m		17		
		Calcium	ppm	ASTM D5185m		2576		
		Phosphorus	ppm	ASTM D5185m		774		
		Zinc	ppm	ASTM D5185m		940		
		ZINC	ppin			010		
		Sulfur	ppm	ASTM D5185m		3608		

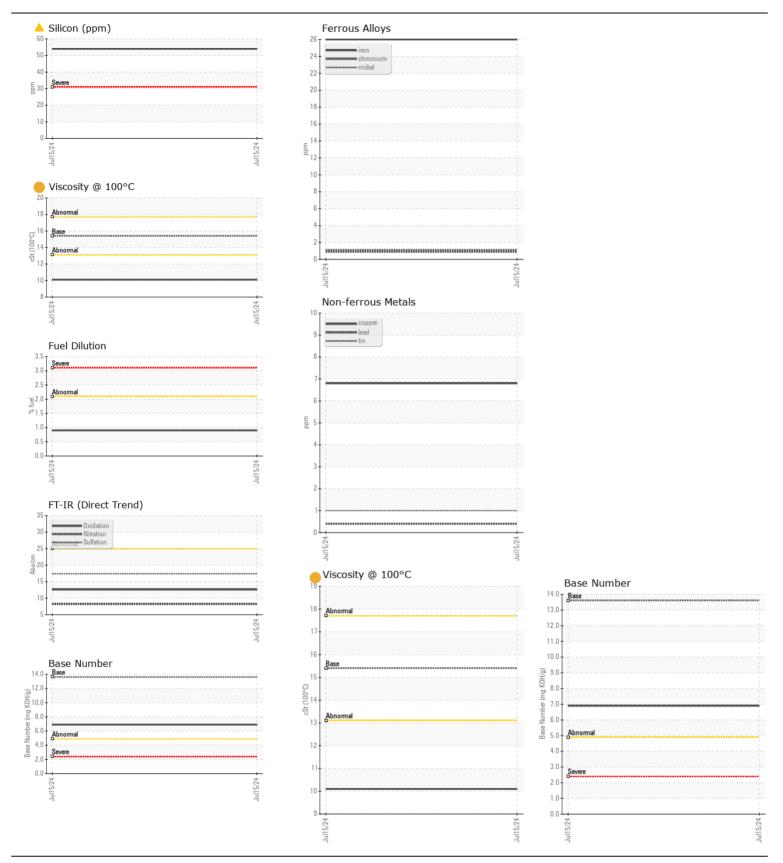
6.9

10.1

Base Number (BN) mg KOH/g ASTM D2896 13.6

ASTM D445 15.4

Visc @ 100°C cSt



LESLIE EQUIPMENT COMPANY Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 105 TENNIS CENTER DR. : LEC0044234 : 17 Jul 2024 Lab Number : 06238988 Tested MARIETTA, OH : 19 Jul 2024 Unique Number : 11127822 Diagnosed : 19 Jul 2024 - Jonathan Hester US 45750-9765 Test Package : CONST (Additional Tests: FuelDilution, Glycol, PercentFuel, 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: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (740)373-5570

Submitted By: STORE 8 - PIKEVILLE - MICHELLE LITTLE Page 2 of 2