

Store 9 - Marietta JOHN DEERE 350G EX7 (S/N JF812434)

Diesel Engine

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

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		LEC0049021	LEC0038366	LEC001544
	Sample Date		Client Info		29 May 2024	18 Apr 2023	22 Aug 202
	Machine Age	hrs	Client Info		6220	5556	3159
	Oil Age	hrs	Client Info		500	500	600
	Filter Age	hrs	Client Info		500	500	600
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	6 9	47	43
	Chromium	ppm	ASTM D5185m	>11	<1	1	<1
Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m	>5	<1	<1	1
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	4	3	5
	Lead	ppm	ASTM D5185m	>26	0	<1	2
	Copper	ppm	ASTM D5185m	>26	<1	2	4
	Tin	ppm	ASTM D5185m	>4	<1	<1	1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>!20	7	6	5
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2	5	3
	Fuel	%	ASTM D3524	>2.1	<1.0	0.3	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.4	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	7.9	7.5	10.1
	Sulfation	Abs/.1mm	*ASTM D7415		21.0	19.7	25.5
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORN
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	3	<1	4
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		225	19	125
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		84	91	124
	Manganese	ppm	ASTM D5185m		1	<1	<1
	Magnesium	ppm	ASTM D5185m		402	465	696
	Calcium	ppm	ASTM D5185m		1520	1735	1748
	Phosphorus	ppm	ASTM D5185m		1075	1015	693
	Zinc	ppm	ASTM D5185m		1290	1274	794
	Sulfur	ppm	ASTM D5185m		3708	3680	2647
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	14.6	19.4
				10 0		0 =	

7.3

12.7

8.5

12.4

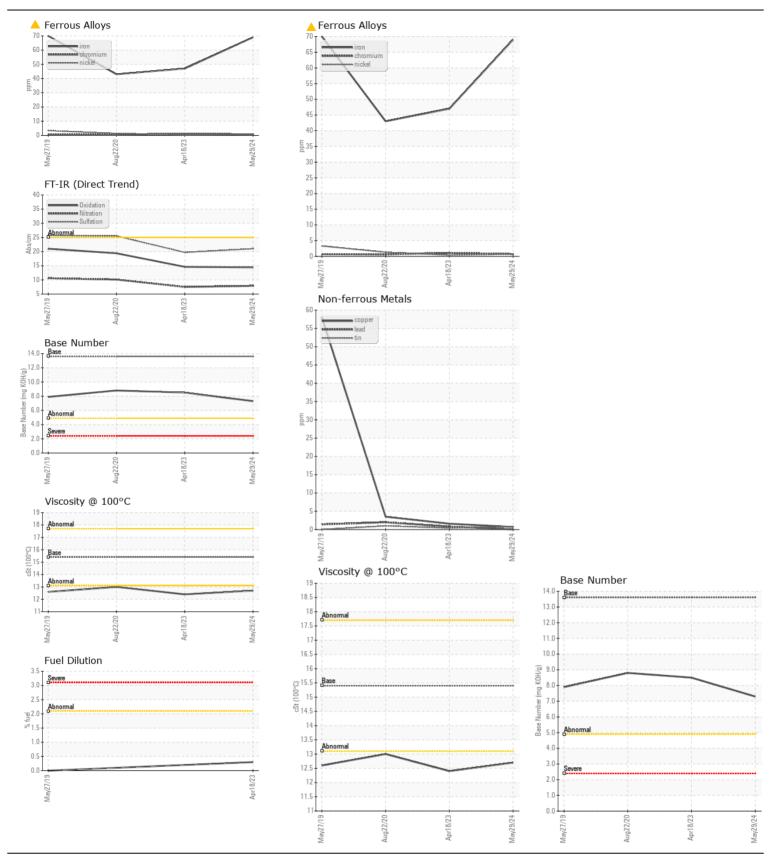
8.8

13.0

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

ASTM D445 15.4

Visc @ 100°C cSt



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 LANE PIPELINE Sample No. Received 2946 E MAIN ST : LEC0049021 : 03 Jul 2024 Lab Number : 06227164 Tested BRIDGEPORT, WV : 05 Jul 2024 Unique Number : 11110657 Diagnosed : 05 Jul 2024 - Don Baldridge US 26330 Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN, KV40) Contact: JESSE WILBURN Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jesseowilburn@gmail.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (740)440-0927 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Submitted By: STORE 9 - MARIETTA - LEANNE KENDALL Page 2 of 2