OIL ANALYSIS REPORT			WEAR CONTAMINATION FLUID CONDITION			NORMAL NORMAL NORMAL									
								Area Store 5 - Cross Lanes Machine Id JOHN DEERE 210G EX46 (Component Diesel Engine Fluid JOHN DEERE ENGINE OIL PLU				6281)		
								RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		LEC0049308	LEC0045448	LEC004178								
Resample at the next service interval to monitor.	Sample Date		Client Info		10 Jun 2024	02 Nov 2023	06 Jul 202								
	Machine Age	hrs	Client Info		4122	3570	3090								
	Oil Age	hrs	Client Info		500	480	480								
	Filter Age	hrs	Client Info		500	480	480								
	Oil Changed		Client Info		Changed	Changed	Changed								
	Filter Changed		Client Info		Changed	Changed	Changed								
	Sample Status				NORMAL	NORMAL	NORMAL								
	lron			. 51	04		00								
WEAR	Iron	ppm	ASTM D5185m		31	32	28								
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	<1	<1								
	Nickel	ppm	ASTM D5185m	>5	<1	<1	<1								
	Titanium	ppm	ASTM D5185m	. 0	0	<1	<1								
	Silver	ppm	ASTM D5185m		0	0	0								
	Aluminum	ppm	ASTM D5185m		6	6	5								
	Lead	ppm	ASTM D5185m	>26	0	0	0								
	Copper	ppm	ASTM D5185m		<1	6	4								
	Tin	ppm	ASTM D5185m	>4	<1	<1	<1								
	Vanadium	ppm	ASTM D5185m	NONE	0		0								
	White Metal Yellow Metal	scalar scalar	*Visual *Visual	NONE NONE	NONE	NONE NONE	NONE								
CONTAMINATION	Silicon	ppm	ASTM D5185m		6	7	6								
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	1	1	0								
	Fuel		WC Method		<1.0	<1.0	<1.0								
	Water		WC Method	>0.21	NEG	NEG	NEG								
	Glycol		WC Method		NEG	NEG	NEG								
	Soot %	%	*ASTM D7844		0.7	0.6	0.4								
	Nitration	Abs/cm	*ASTM D7624		8.7	7.9	9.5								
	Sulfation	Abs/.1mm	*ASTM D7415		20.6	21.2	21.6								
	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	NORM								
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG								
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	3	3	2								
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		70	261	20								
	Barium	ppm	ASTM D5185m		0	0	0								
	Molybdenum	ppm	ASTM D5185m		65	84	87								
	Manganese	ppm	ASTM D5185m		<1	<1	<1								
	Magnesium	ppm	ASTM D5185m		828	536	1018								
	Calcium	ppm	ASTM D5185m		1242	1556	1370								
	Phosphorus	ppm	ASTM D5185m		1082	1091	1132								
	Zinc	nnm	ASTM D5185m		1283	1328	1426								

Zinc

Sulfur

Oxidation

Visc @ 100°C cSt

1328

14.9

7.6

13.7

3620

1426

17.1

13.7

3818

8.1

1283

3581

15.5

8.6

13.6

ASTM D5185m

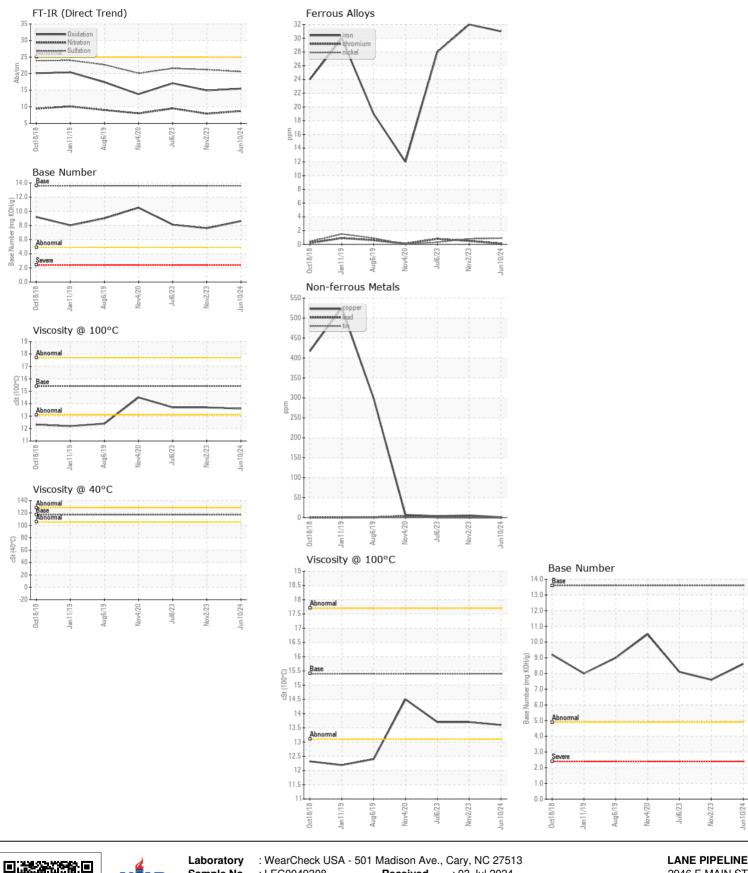
ppm ASTM D5185m

Abs/.1mm *ASTM D7414 >25

ASTM D445 15.4

ppm

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



LANE PIPELINE Sample No. Received 2946 E MAIN ST : LEC0049308 : 03 Jul 2024 Ø Lab Number : 06227159 Tested BRIDGEPORT, WV : 05 Jul 2024 Diagnosed : 05 Jul 2024 - Don Baldridge US 26330 Unique Number : 11110652 Test Package : CONST (Additional Tests: 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 F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: JEFF SHERRY Page 2 of 2