WEAR CONTAMINATION FLUID CONDITION

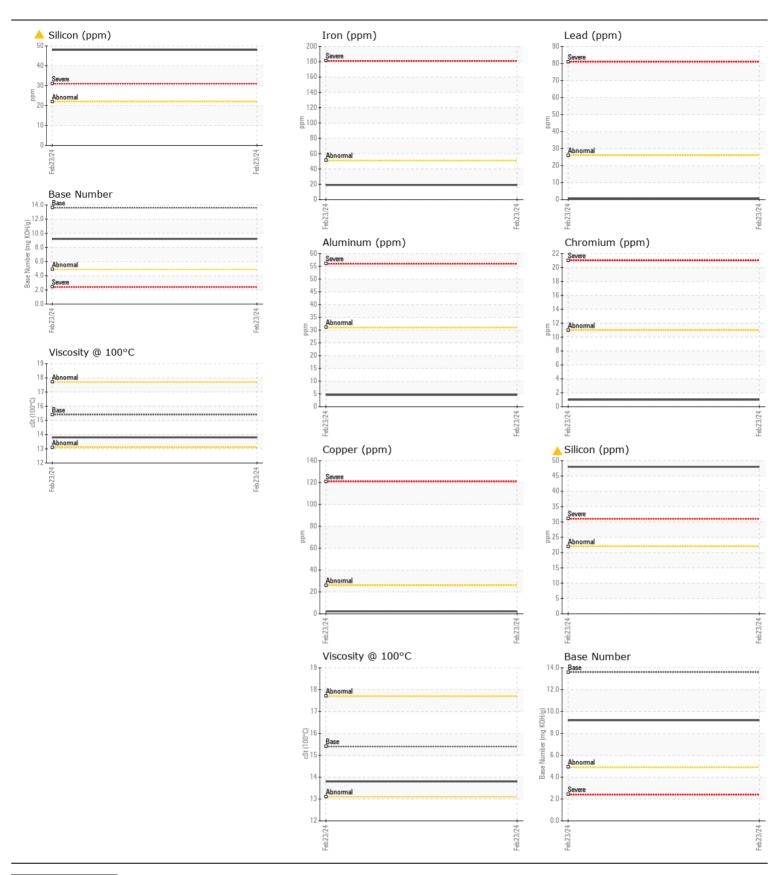
NORMAL ABNORMAL NORMAL

[WR WELCH]

JOHN DEERE 6105M 1LV6105MCEG802592

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0196759		
	Sample Date		Client Info		23 Feb 2024		
	Machine Age	hrs	Client Info		1298		
	Oil Age	hrs	Client Info		146		
	Filter Age	hrs	Client Info		146		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ABNORMAL		
VEAR	Iron	ppm	ASTM D5185m	>51	19		
	Chromium	ppm	ASTM D5185m		1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m		5		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		- <1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
PONT A MINIA TION	Ciliana		ACTA DE10E	00	40		
CONTAMINATION	Silicon	ppm	ASTM D5185m		<u>48</u>		
Elemental level of silicon (Si) above normal indicating ingress of seal material.	Potassium	ppm	ASTM D5185m		2		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.21	NEG		
	Glycol	0/	WC Method	0	NEG		
	Soot %	% Ala a /ava	*ASTM D7844		0.2		
	Nitration	Abs/dmm	*ASTM D7624	>20	7.2		
	Sulfation	Abs/.1mm	*ASTM D7415		20.3		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance Odor	scalar	*Visual *Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	NORML >0.21	NORML NEG		
<u></u>	Elliuisilleu watei		VISUAI	>0.21	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	1		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		227		
	Barium	ppm	ASTM D5185m		2		
	Molybdenum	ppm	ASTM D5185m		242		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m		733		
	Calcium	ppm	ASTM D5185m		1286		
	Phosphorus	ppm	ASTM D5185m		775		
	Zinc	ppm	ASTM D5185m		955		
	Sulfur	ppm	ASTM D5185m		2900		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1		
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	9.2		
	Visc @ 100°C	cSt	ASTM D445	45.4	13.8		





Certificate L2367

Laboratory Sample No.

Lab Number : 06102719

: JR0196759 Unique Number : 10900949

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Feb 2024 **Tested** : 29 Feb 2024

: 29 Feb 2024 - Don Baldridge Diagnosed Test Package: MOBCE (Additional Tests: TBN)

JRE - EDINBURG 601 NORTH MAIN ST WOODSTOCK, VA US 22664

Contact: MIKE SECHLER MSECHLER@JAMESRIVEREQUIPMENT.COM T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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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