



OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

ATTENTION

ABNORMAL

NORMAL

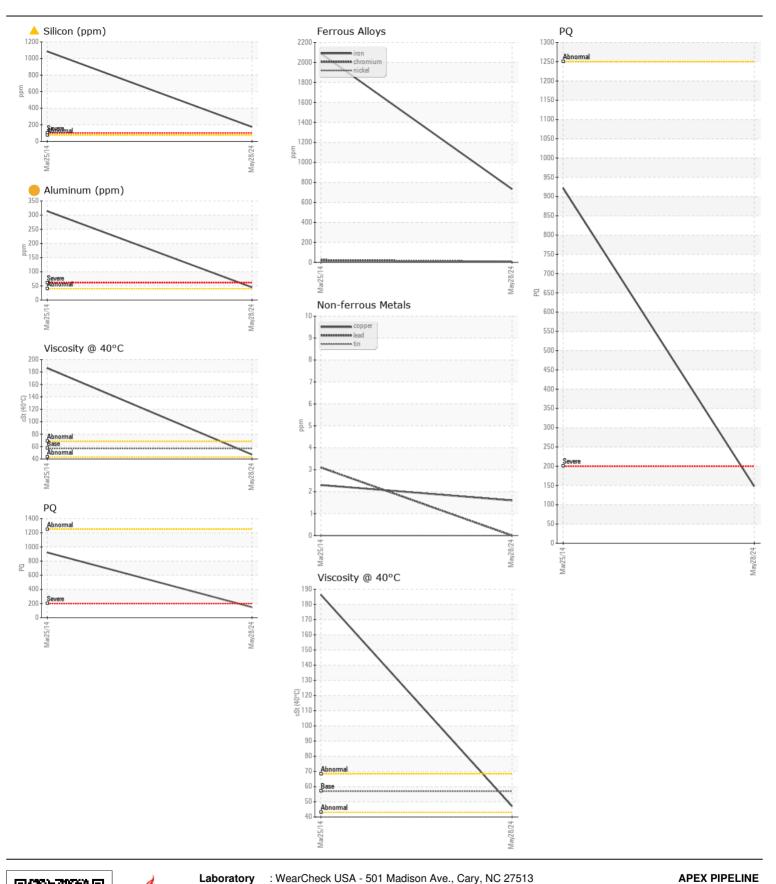


Store 5 - Cross Lanes

JOHN DEERE 250G E-32 (S/N 1FF250GXKDE608944)

Right Final Drive

JOHN DEERE HY-GARD HYD/T	RANS (G	AL)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		LEC0039988	LECP145258	
	Sample Date		Client Info		28 May 2024	25 Mar 2014	
	Machine Age	hrs	Client Info		7604	1500	
	Oil Age	hrs	Client Info		5600	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	SEVERE	
WEAR	PQ		ASTM D8184	>1250	148	922	
Aluminum ppm levels are noted. All other component wear rates are normal.	Iron	ppm	ASTM D5185m	>750	733	▲ 2090	
	Chromium	ppm	ASTM D5185m	>9	6	▲ 23	
	Nickel	ppm	ASTM D5185m	>10	2	4	
	Titanium	ppm	ASTM D5185m		4	21	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		45	314	
	Lead	ppm	ASTM D5185m	>15	0	3	
	Copper	ppm	ASTM D5185m		2	2	
	Tin	ppm	ASTM D5185m	>10	0	0	
	Vanadium	ppm	ASTM D5185m		<1	1	
	White Metal	scalar	*Visual	NONE	MODER	LIGHT	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Silicon	ppm	ASTM D5185m	>75	<u> </u>	▲ 1086	
	Potassium	ppm	ASTM D5185m	>20	12	76	
	Water		WC Method	>0.075	NEG	NEG	
	Silt	scalar	*Visual	NONE	MODER	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>51	5	13	
The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m	6	8	58	
	Barium	ppm	ASTM D5185m	0	0	6	
	Molybdenum	ppm	ASTM D5185m	0	1	2	
	Manganese	ppm	ASTM D5185m		6	26	
	Magnesium	ppm	ASTM D5185m	145	97	34	
	Calcium	ppm	ASTM D5185m		3514	58	
	Phosphorus	ppm	ASTM D5185m		1020	506	
	Zinc	ppm	ASTM D5185m	1640	1180	29	
	Sulfur	ppm	ASTM D5185m		4412	16326	
B	Visc @ 40°C	cSt	ASTM D445	57.0	47.1	186.3	





Laboratory

Sample No.

: LEC0039988 Lab Number : 06215008 Unique Number : 11087872

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

Received **Tested** Diagnosed

: 20 Jun 2024 : 21 Jun 2024 - Sean Felton

: 19 Jun 2024

Contact: KELLY TUCKER

Test Package : CONST (Additional Tests: PQ) 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.

T: (304)204-0080 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (304)204-0083

P.O. BOX 580

NITRO, WV

US 25143