**WEAR** CONTAMINATION **FLUID CONDITION** 

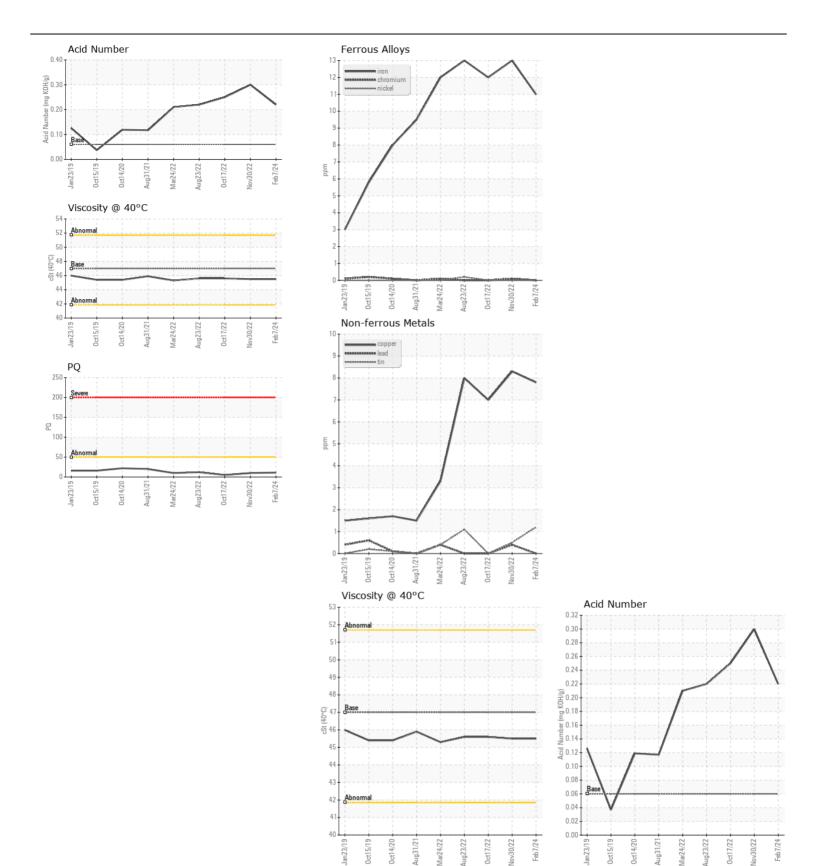
NORMAL **ABNORMAL** NORMAL

## JOHN DEERE 245GLC 1FF245GXJJF800677

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0199826	JR0147263	JR0124493
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Sample Date		Client Info		07 Feb 2024	30 Nov 2022	17 Oct 2022
	Machine Age	hrs	Client Info		3530	2970	2887
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Not Changd	Not Change
	Filter Changed		Client Info		Changed	Changed	Not Change
	Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR	PQ		ASTM D8184	>50	11	10	5
VEAIL	Iron	ppm	ASTM D5185m		11	13	12
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	<1	0
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>9	<1	1	0
	Lead	ppm	ASTM D5185m	>28	0	<1	0
	Copper	ppm	ASTM D5185m		8	8	7
	Tin	ppm	ASTM D5185m	>5	1	<1	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>11	1	2	3
ONTAMINATION	Potassium	ppm	ASTM D5185m		0	<1	0
Moderate concentration of visible dirt/debris present in the oil.	Water	1-1-	WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>80000		1463	<u></u> 195916
	Particles >6µm		ASTM D7647			122	<u></u> 94610
	Particles >14μm		ASTM D7647	>640		7	<u>12499</u>
	Particles >21µm		ASTM D7647	>160		0	<u>^</u> 2225
	Particles >38µm		ASTM D7647	>40		0	<b>6</b> 7
	Particles >71μm		ASTM D7647	>10		0	1
	Oil Cleanliness		ISO 4406 (c)	>23/21/16		18/14/10	<b>2</b> 5/24/2
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	▲ MODER	NONE	LIGHT
	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	>0.075	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m	>21	2	2	0
	Boron	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		0	<1	0
	Calcium	ppm	ASTM D5185m		99	102	93
	Phosphorus	ppm	ASTM D5185m		497	524	523
	Zinc	ppm	ASTM D5185m		83	86	80
	Sulfur	ppm	ASTM D5185m		234	290	62
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.22	0.30	0.25
	Visc @ 40°C	cSt	ASTM D445	47	45.5	45.5	45.6

Contact/Location: DAVID ZIEG - JAMASH







Laboratory Sample No. **Lab Number** : 06083540

: JR0199826 Unique Number : 10870985

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

Tested Diagnosed Test Package : CONST ( Additional Tests: PQ )

: 08 Feb 2024 : 10 Feb 2024

: 10 Feb 2024 - Don Baldridge

JRE - ASHLAND 11047 LEADBETTER RD ASHLAND, VA US 23005

Contact: DAVID ZIEG dzieg@jamesriverequipment.com T: (804)798-6001

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.

F: (804)798-0292 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Contact/Location: DAVID ZIEG - JAMASH

Report Id: JAMASH [WUSCAR] 06083540 (Generated: 02/12/2024 08:32:41) Rev: 1