



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 245LC HCMDCP60A00400272
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0198954	JR0162337	JR0134763
Sample Date		Client Info		05 Jan 2024	24 May 2023	17 Aug 2022
Machine Age	hrs	Client Info		7073	6528	5981
Oil Age	hrs	Client Info		6526	547	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	15	632	1123
Iron	ppm	ASTM D5185m	>750	0	2745	8331
Chromium	ppm	ASTM D5185m	>9	0	20	61
Nickel	ppm	ASTM D5185m	>10	0	3	9
Titanium	ppm	ASTM D5185m		0	10	43
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	0	155	470
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	0	5	17
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	3
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

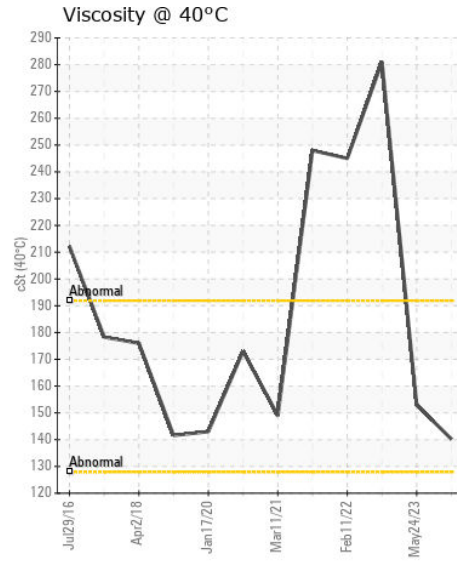
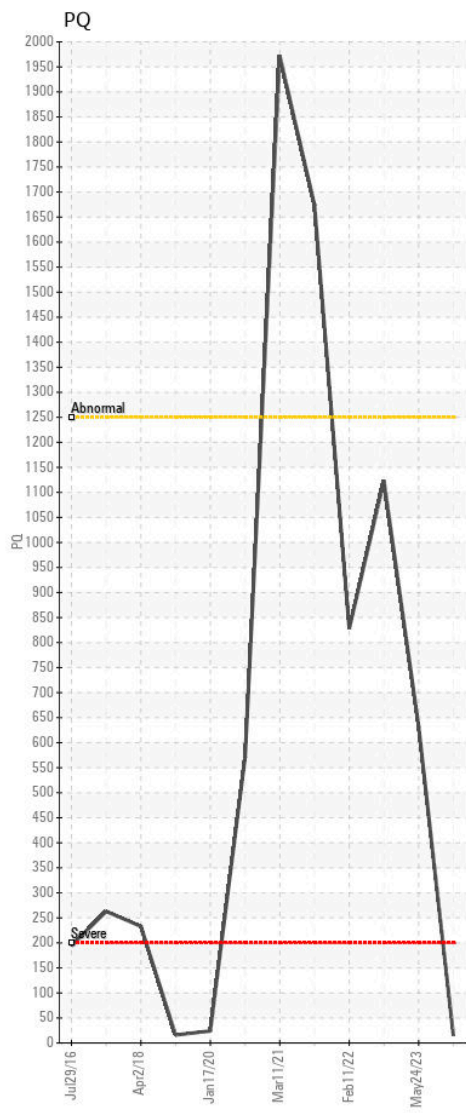
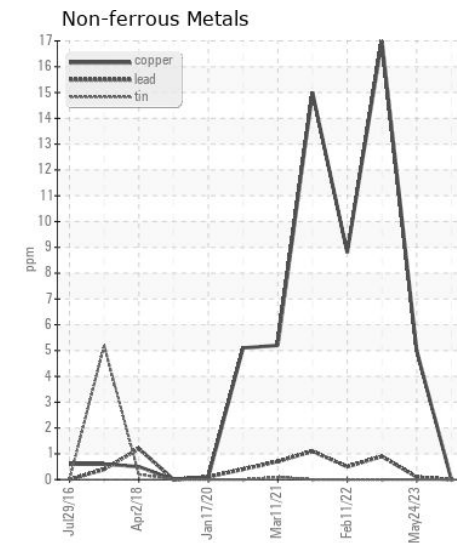
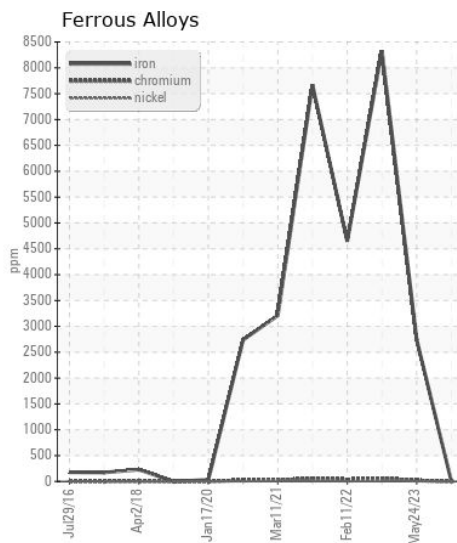
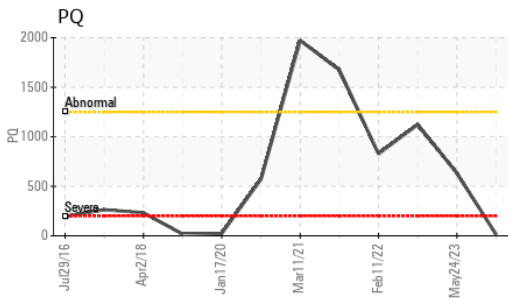
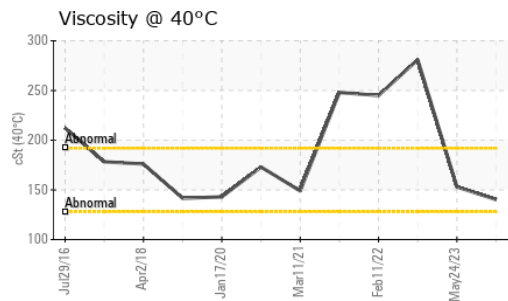
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	0	541	2046
Potassium	ppm	ASTM D5185m	>20	0	24	74
Water		WC Method	>0.075	NEG	NEG	NEG
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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	0.2%

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	0	15	51
Boron	ppm	ASTM D5185m		0	126	72
Barium	ppm	ASTM D5185m		0	2	2
Molybdenum	ppm	ASTM D5185m		0	4	6
Manganese	ppm	ASTM D5185m		0	21	61
Magnesium	ppm	ASTM D5185m		0	19	40
Calcium	ppm	ASTM D5185m		0	24	45
Phosphorus	ppm	ASTM D5185m		280	738	358
Zinc	ppm	ASTM D5185m		1	14	13
Sulfur	ppm	ASTM D5185m		17218	22787	21984
Visc @ 40°C	cSt	ASTM D445		140.2	153	281



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198954 **Received** : 10 Jan 2024
Lab Number : 06056920 **Diagnosed** : 12 Jan 2024
Unique Number : 10822869 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

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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)