



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
EPIROC T35-12 JPS22SED2701
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		JR0212644	JR0197488	JR0186246
Sample Date		Client Info		21 May 2024	21 Mar 2024	03 Nov 2023
Machine Age	hrs	Client Info		2384	2023	1356
Oil Age	hrs	Client Info		361	1399	356
Filter Age	hrs	Client Info		0	0	356
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	None	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		132	239	85
Iron	ppm	ASTM D5185m	>500	125	272	67
Chromium	ppm	ASTM D5185m	>10	1	2	<1
Nickel	ppm	ASTM D5185m	>10	1	3	<1
Titanium	ppm	ASTM D5185m		1	2	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	10	25	<1
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>50	<1	<1	0
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

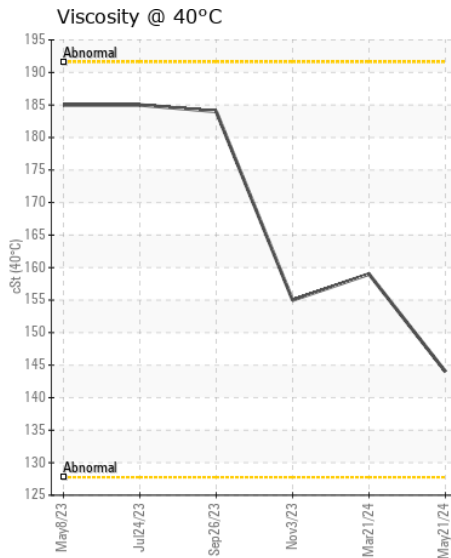
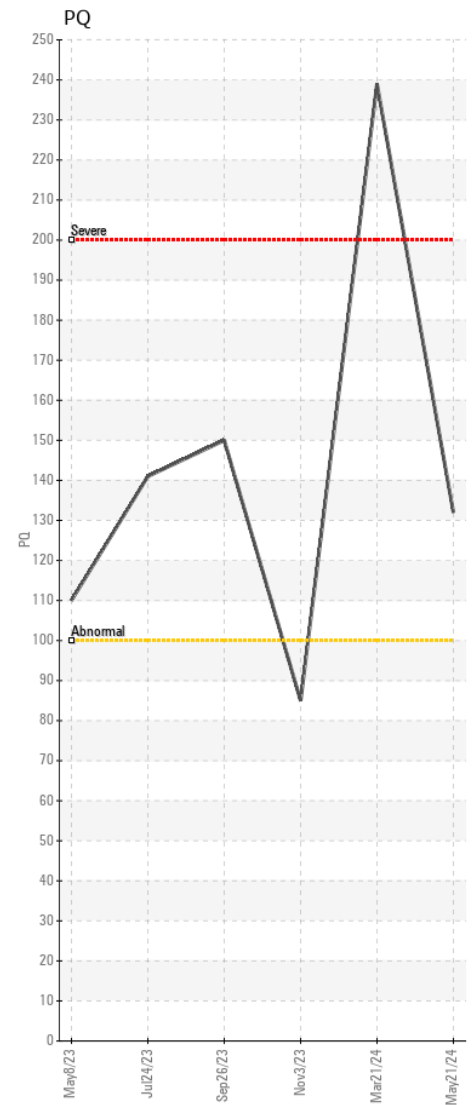
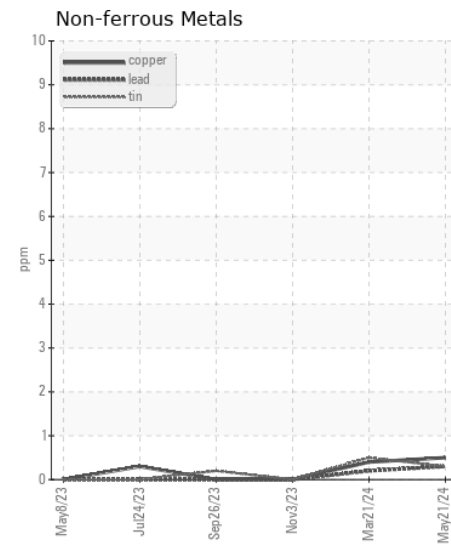
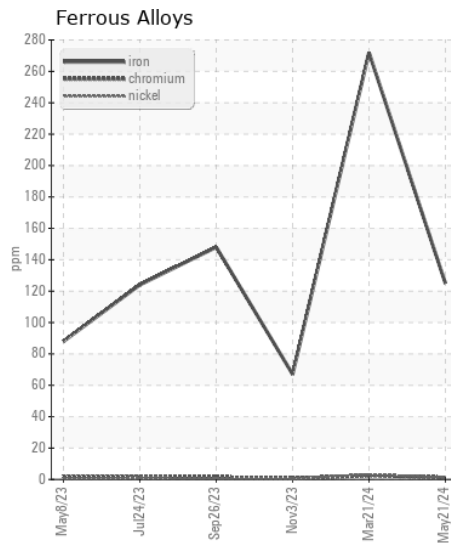
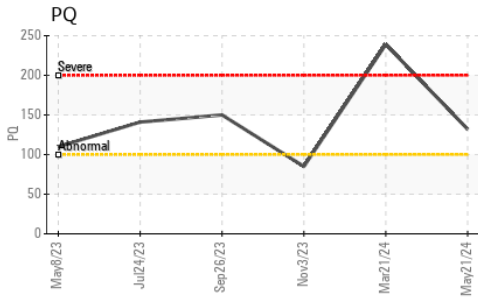
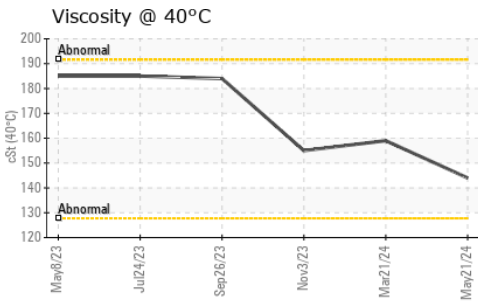
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	39	98	6
Potassium	ppm	ASTM D5185m	>20	4	8	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	7	<1
Boron	ppm	ASTM D5185m		14	34	28
Barium	ppm	ASTM D5185m		6	15	11
Molybdenum	ppm	ASTM D5185m		11	22	15
Manganese	ppm	ASTM D5185m		10	21	12
Magnesium	ppm	ASTM D5185m		4	5	1
Calcium	ppm	ASTM D5185m		89	10	9
Phosphorus	ppm	ASTM D5185m		385	443	339
Zinc	ppm	ASTM D5185m		36	34	24
Sulfur	ppm	ASTM D5185m		19960	22445	17238
Visc @ 40°C	cSt	ASTM D445		144	159	155



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212644 **Received** : 24 May 2024
Lab Number : 06191259 **Tested** : 31 May 2024
Unique Number : 11048011 **Diagnosed** : 31 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

CAROLINA CIVIL
 PO BOX 80337
 RALEIGH, NC
 US 27623
 Contact:

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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F: