



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
EPIROC D60 G18SED0760
 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		JR0209695	JR0212993	JR0202772
Sample Date		Client Info		16 May 2024	21 Apr 2024	20 Feb 2024
Machine Age	hrs	Client Info		10463	10263	9966
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Changed
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184		14	569	968
Iron	ppm	ASTM D5185m	>500	0	▲ 530	▲ 1340
Chromium	ppm	ASTM D5185m	>10	0	5	▲ 12
Nickel	ppm	ASTM D5185m	>10	0	1	6
Titanium	ppm	ASTM D5185m		0	5	13
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	● 70	● 164
Lead	ppm	ASTM D5185m	>25	0	▲ 40	▲ 95
Copper	ppm	ASTM D5185m	>50	0	▲ 60	▲ 128
Tin	ppm	ASTM D5185m	>10	0	2	2
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

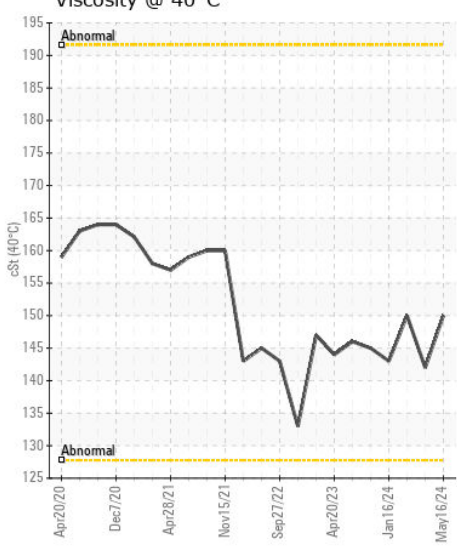
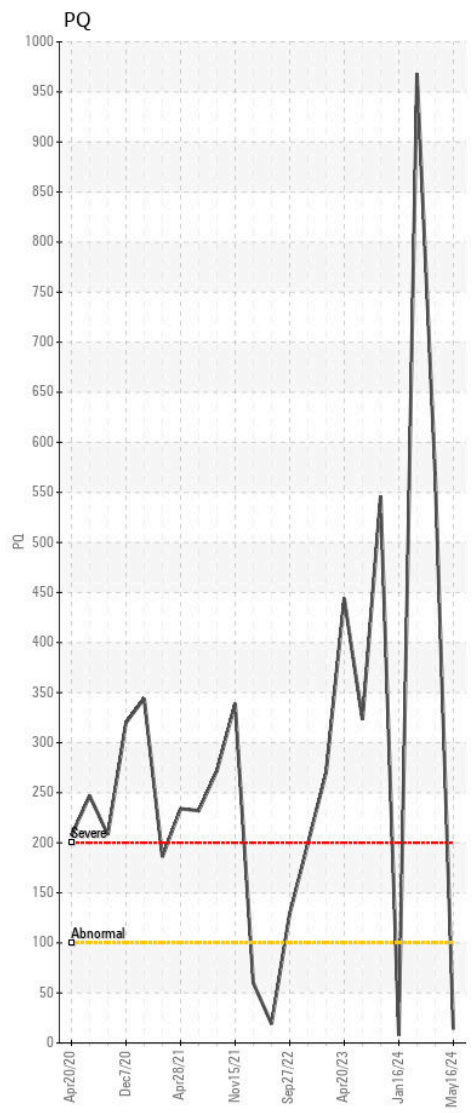
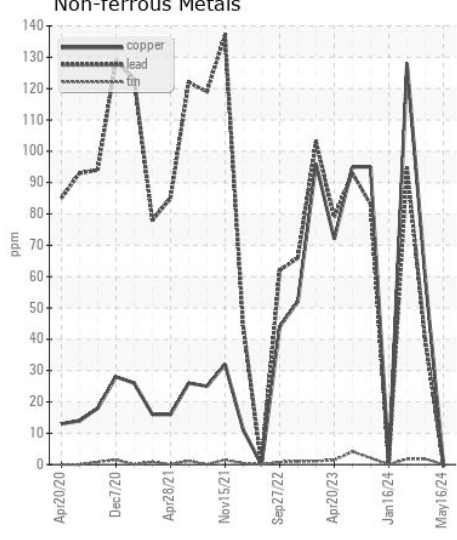
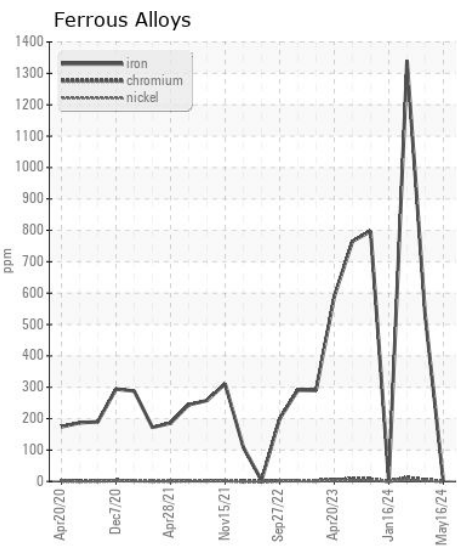
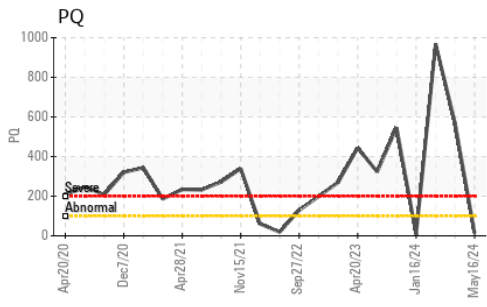
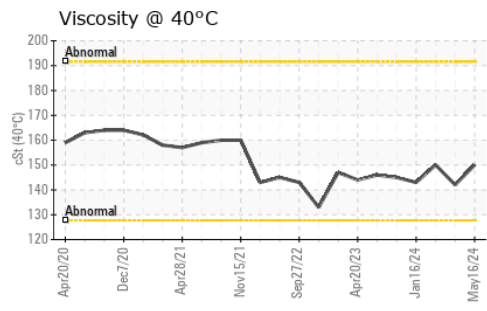
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	1	▲ 223	▲ 517
Potassium	ppm	ASTM D5185m	>20	0	14	36
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	MODER	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	20	42
Boron	ppm	ASTM D5185m		3	2	13
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	5	12
Magnesium	ppm	ASTM D5185m		<1	15	39
Calcium	ppm	ASTM D5185m		1	48	120
Phosphorus	ppm	ASTM D5185m		2196	1071	2237
Zinc	ppm	ASTM D5185m		0	41	123
Sulfur	ppm	ASTM D5185m		30401	22323	26859
Visc @ 40°C	cSt	ASTM D445		150	142	150



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0209695 **Received** : 21 May 2024
Lab Number : 06186419 **Tested** : 22 May 2024
Unique Number : 11043171 **Diagnosed** : 23 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

RDU - MARTIN MARIETTA
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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)