



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W9159]

Machine Id

BOMAG BC973RB-5 101930611002

Component

Front Right Final Drive

Fluid

JOHN DEERE GL-5 85W140LS (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W9159)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224138	JR0197215	JR0196908
Sample Date		Client Info		12 Jul 2024	24 Apr 2024	02 Feb 2024
Machine Age	hrs	Client Info		4008	3531	2514
Oil Age	hrs	Client Info		2991	1017	1011
Filter Age	hrs	Client Info		0	0	1011
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		41	46	100
Iron	ppm	ASTM D5185m	>500	286	102	184
Chromium	ppm	ASTM D5185m	>10	2	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	3	2	2
Lead	ppm	ASTM D5185m	>25	0	2	0
Copper	ppm	ASTM D5185m	>50	10	4	8
Tin	ppm	ASTM D5185m	>10	0	1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

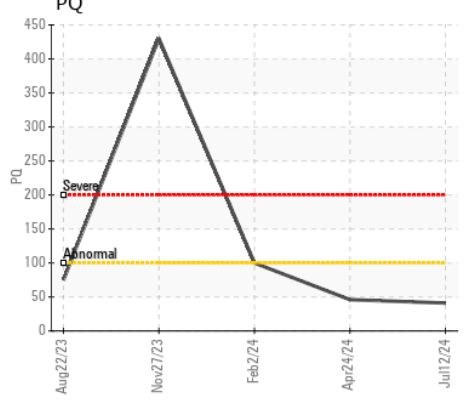
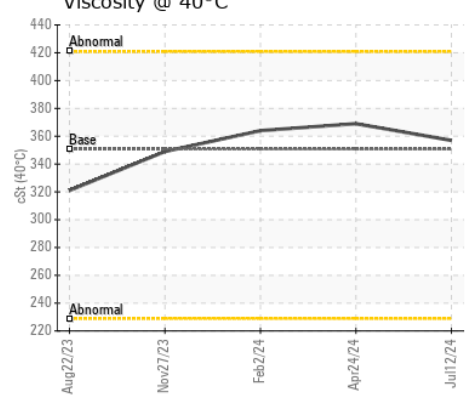
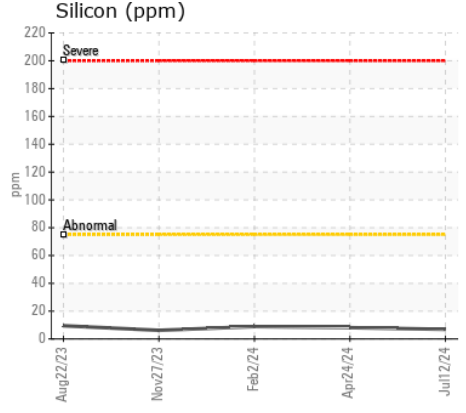
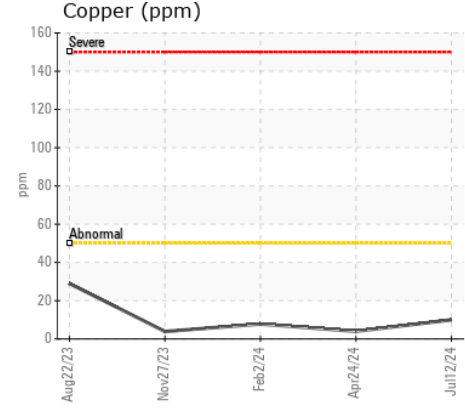
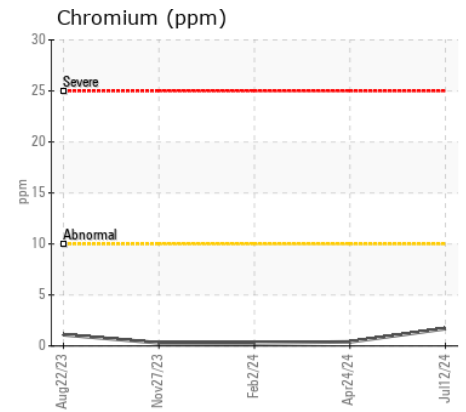
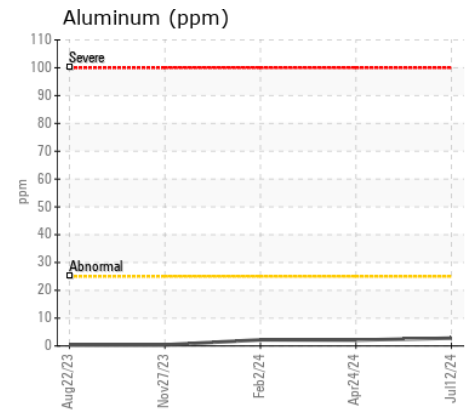
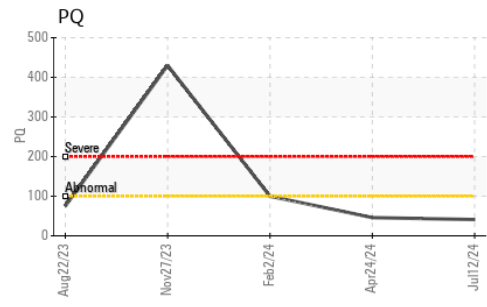
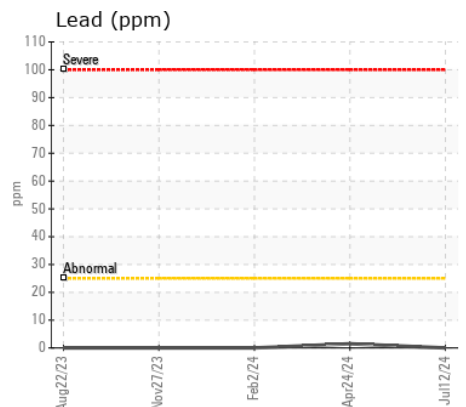
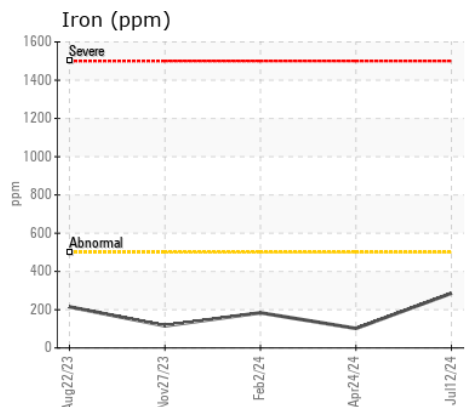
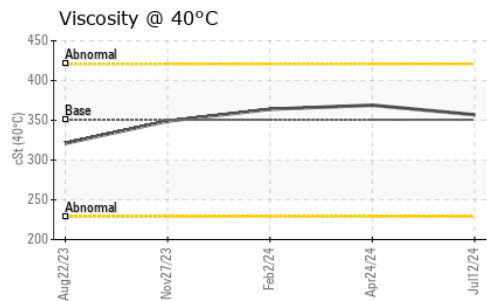
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	8	9
Potassium	ppm	ASTM D5185m	>20	<1	2	<1
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	0
Boron	ppm	ASTM D5185m		18	13	39
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		1	1	0
Calcium	ppm	ASTM D5185m		0	4	4
Phosphorus	ppm	ASTM D5185m		276	394	378
Zinc	ppm	ASTM D5185m		7	0	0
Sulfur	ppm	ASTM D5185m		20740	25299	22716
Visc @ 40°C	cSt	ASTM D445	350.7	357	369	364



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224138 **Received** : 16 Jul 2024
Lab Number : 06238126 **Tested** : 17 Jul 2024
Unique Number : 11126960 **Diagnosed** : 18 Jul 2024 - Don Baldridge
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com; panastasio@wearcheck.com
 T:
 F:

Certificate L2367
 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)