



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W51019]

Machine Id
SAKAI 1SW53-30147

Component
Front Vibratory Drum Gearbox

Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: W51019)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0222561	JR0197923	JR0167953
Sample Date		Client Info		28 Jun 2024	18 Dec 2023	17 May 2023
Machine Age	hrs	Client Info		5082	4714	4006
Oil Age	hrs	Client Info		4374	708	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

Gear wear is indicated. All other component wear rates are normal.

PQ		ASTM D8184		189	388	17
Iron	ppm	ASTM D5185m	>200	▲ 385	▲ 452	<1
Chromium	ppm	ASTM D5185m	>10	2	1	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		41	47	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m		14	12	0
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		<1	<1	0
Tin	ppm	ASTM D5185m		0	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

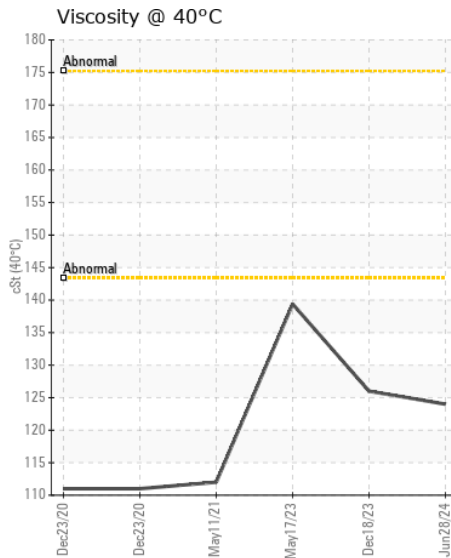
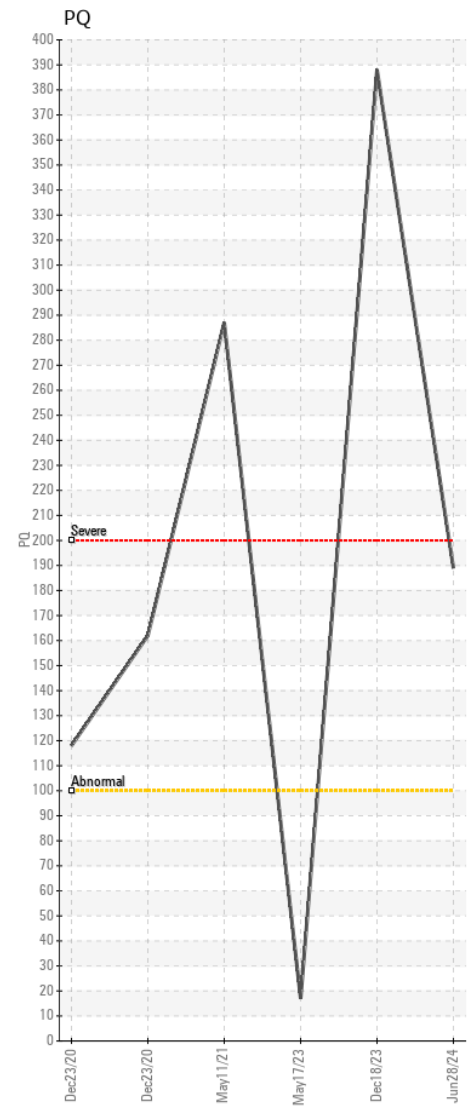
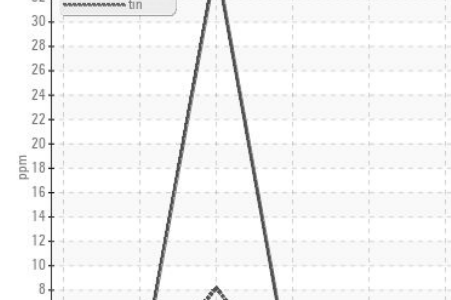
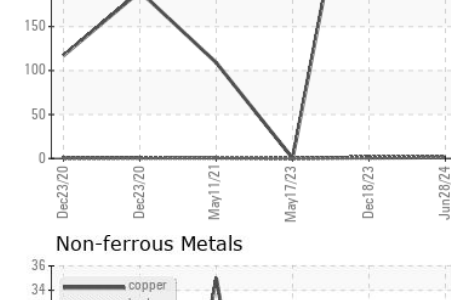
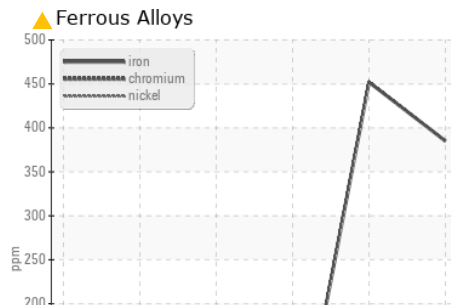
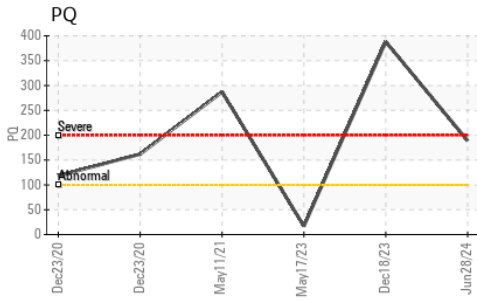
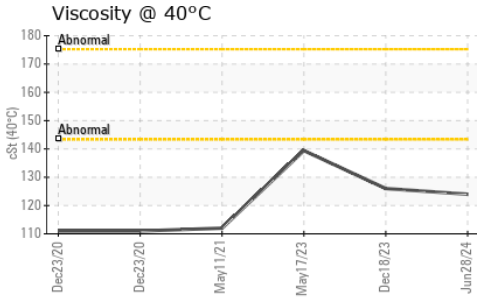
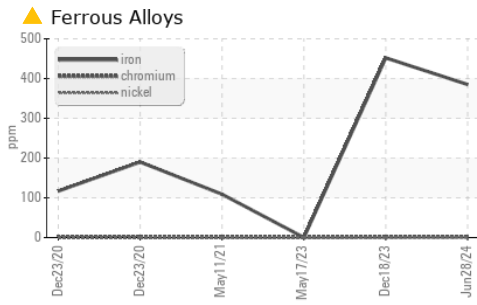
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		26	26	0
Potassium	ppm	ASTM D5185m	>20	4	3	<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		2	0	<1
Boron	ppm	ASTM D5185m		49	47	167
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		1	2	<1
Manganese	ppm	ASTM D5185m		27	29	<1
Magnesium	ppm	ASTM D5185m		11	12	1
Calcium	ppm	ASTM D5185m		56	91	11
Phosphorus	ppm	ASTM D5185m		707	778	1005
Zinc	ppm	ASTM D5185m		41	35	0
Sulfur	ppm	ASTM D5185m		18135	23534	25148
Visc @ 40°C	cSt	ASTM D445		124	126	139.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222561 **Received** : 01 Jul 2024
Lab Number : 06225383 **Tested** : 02 Jul 2024
Unique Number : 11103580 **Diagnosed** : 03 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529
 Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com
 T: (919)614-2260
 F: (919)779-5432

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)