



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350G XKJF812346

Component
Swing Drive Gear Case

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0146027	JR0102810	JR0086547
Sample Date		Client Info		12 Oct 2022	31 Aug 2021	25 Jun 2021
Machine Age	hrs	Client Info		5832	4400	4406
Oil Age	hrs	Client Info		5832	0	400
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		51	43	41
Iron	ppm	ASTM D5185m	>151	120	61	92
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m		0	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	3	<1	0
Lead	ppm	ASTM D5185m	>51	0	3	0
Copper	ppm	ASTM D5185m	>51	1	<1	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		1	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.

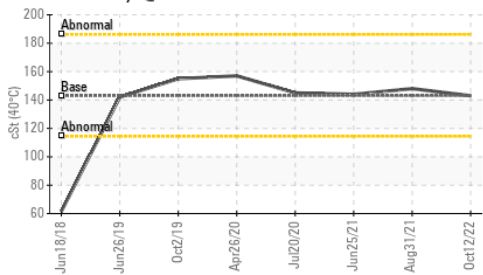
Silicon	ppm	ASTM D5185m	>31	11	9	8
Potassium	ppm	ASTM D5185m	>20	0	6	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

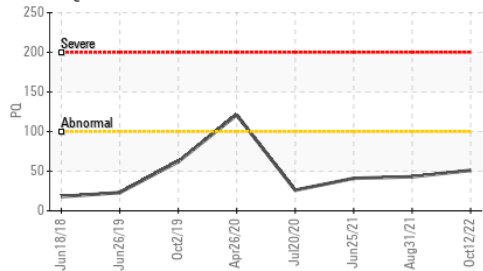
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	<1	<1	<1
Boron	ppm	ASTM D5185m	400	31	45	38
Barium	ppm	ASTM D5185m	200	0	0	<1
Molybdenum	ppm	ASTM D5185m	12	3	<1	2
Manganese	ppm	ASTM D5185m		2	<1	1
Magnesium	ppm	ASTM D5185m	12	11	0	1
Calcium	ppm	ASTM D5185m	150	12	2	13
Phosphorus	ppm	ASTM D5185m	1650	395	364	390
Zinc	ppm	ASTM D5185m	125	20	6	9
Sulfur	ppm	ASTM D5185m	22500	20088	16565	16358
Visc @ 40°C	cSt	ASTM D445	143	143	148	144

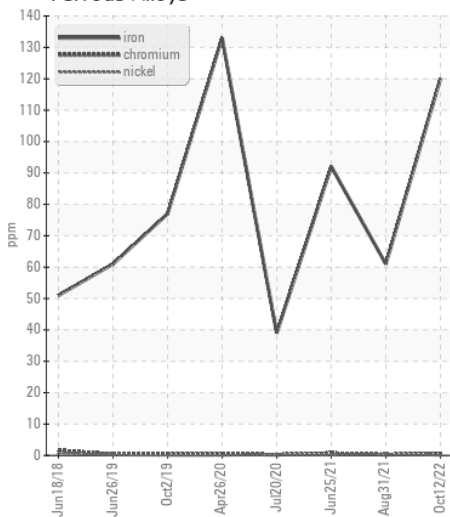
Viscosity @ 40°C



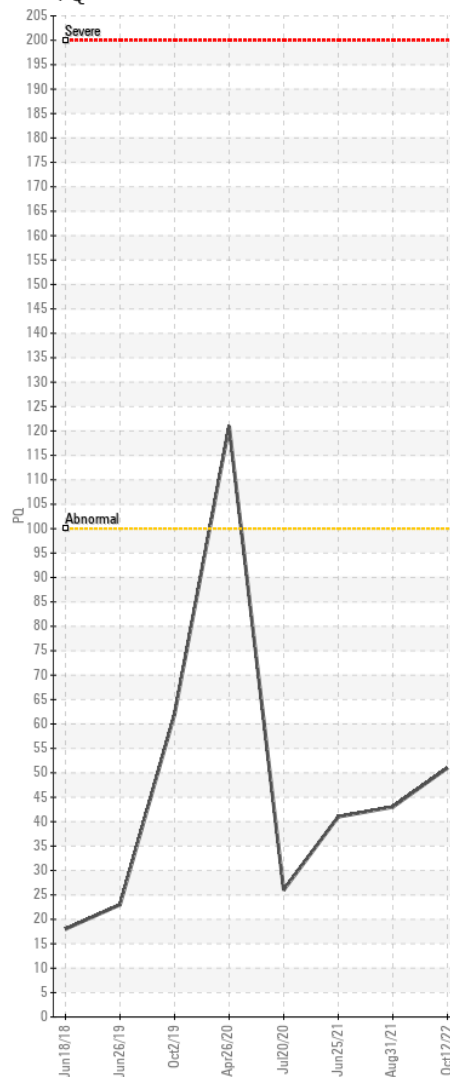
PQ



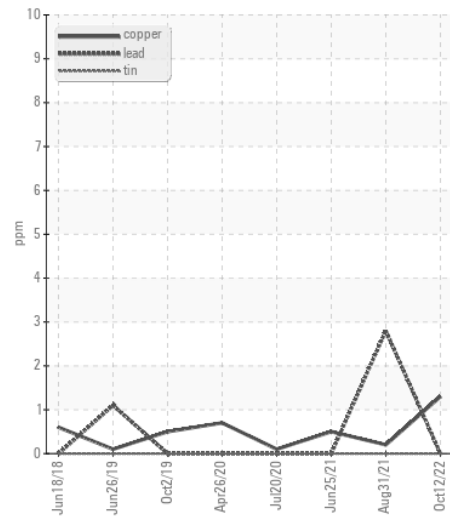
Ferrous Alloys



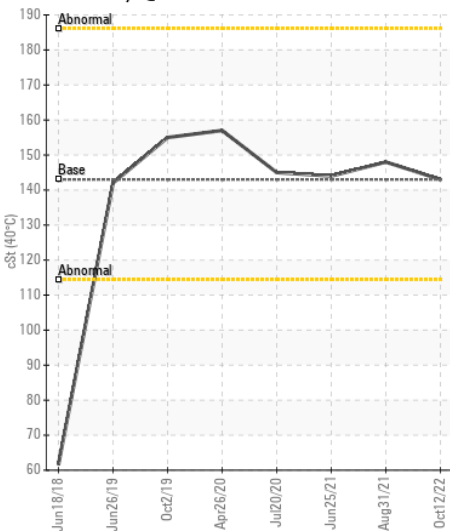
PQ



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : JR0146027 Received : 13 Oct 2022
 Lab Number : 05665894 Tested : 14 Oct 2022
 Unique Number : 10175464 Diagnosed : 15 Oct 2022 - Don Baldrige
 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)