James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
CONST

[05W47663]
Machine Id

JOHN DEERE 350P 1FF350PATPF000563
Component

Swing Drive
Fluid

JOHN DEERE GL-5 80W90 (13 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

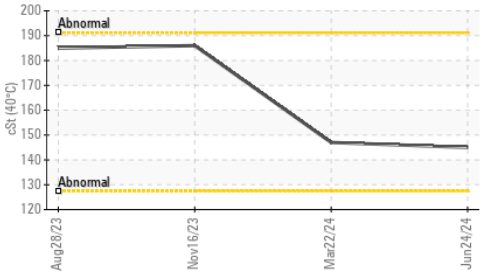
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218375	JR0208228	JR0196122
Sample Date		Client Info		24 Jun 2024	22 Mar 2024	16 Nov 2023
Machine Age	hrs	Client Info		1984	1501	949
Oil Age	hrs	Client Info		1035	552	949
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
PQ		ASTM D8184		28	35	7
Iron	ppm	ASTM D5185m	>151	55	52	111
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	2	<1	0
Lead	ppm	ASTM D5185m	>51	<1	<1	0
Copper	ppm	ASTM D5185m	>51	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	6	7	16
Potassium	ppm	ASTM D5185m	>20	<1	3	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
Sodium	ppm	ASTM D5185m	>51	1	2	1
Boron	ppm	ASTM D5185m		28	25	59
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		1	<1	0
Manganese	ppm	ASTM D5185m		1	<1	2
Magnesium	ppm	ASTM D5185m		3	5	0
Calcium	ppm	ASTM D5185m		0	47	19
Phosphorus	ppm	ASTM D5185m		458	444	519
Zinc	ppm	ASTM D5185m		6	13	17
Sulfur	ppm	ASTM D5185m		18664	22827	15185
Visc @ 40°C	cSt	ASTM D445		145	147	186

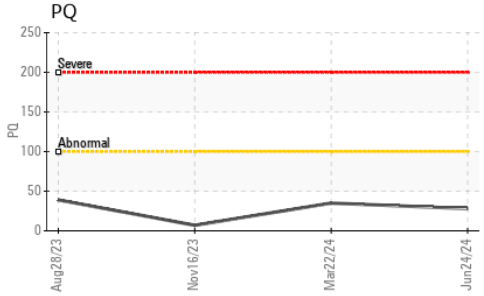
Report Id: BSSWAR [WUSCAR] 06220046 (Generated: 06/28/2024 03:14:21) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

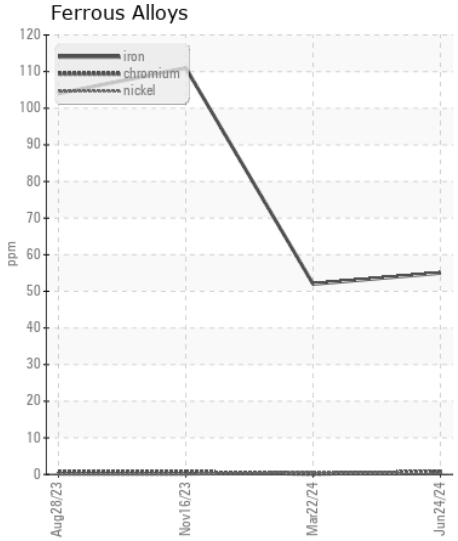
Viscosity @ 40°C



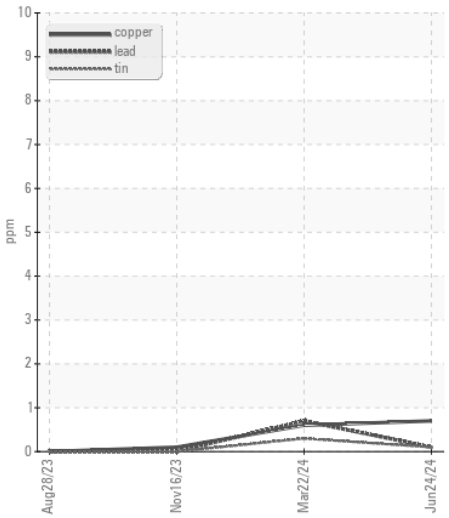
PQ



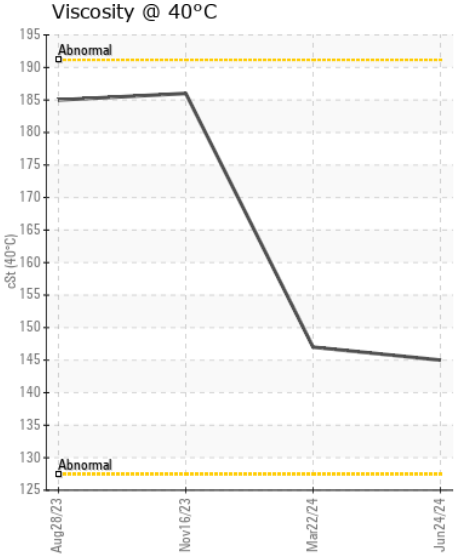
Ferrous Alloys



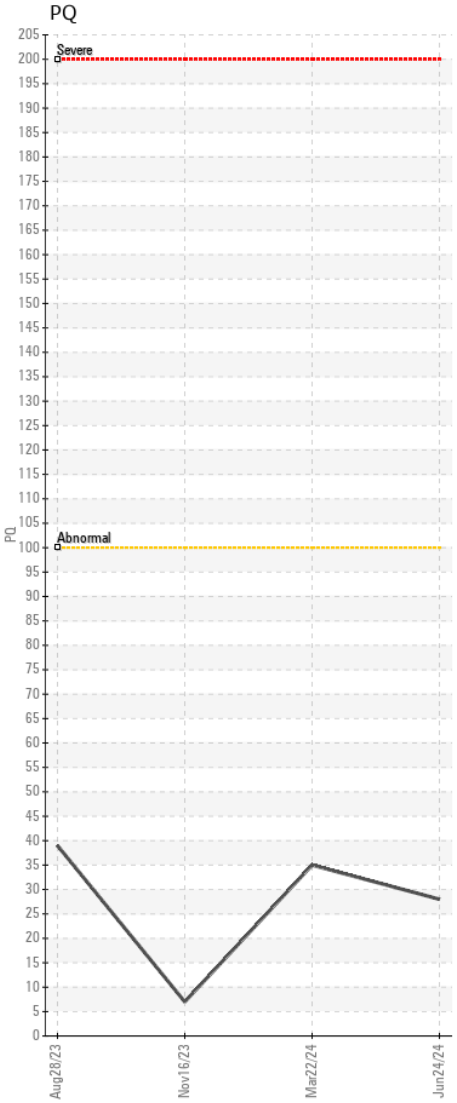
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218375
Lab Number : 06220046
Unique Number : 11098243
Test Package : CONST (Additional Tests: PQ)

Received : 25 Jun 2024
Tested : 26 Jun 2024
Diagnosed : 27 Jun 2024 - Sean Felton

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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