James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 250G 1FF250GXCLF611628
Component
Pump Drive
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

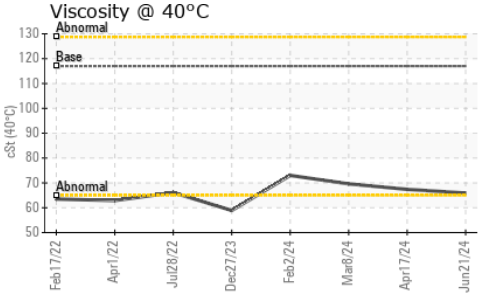
There is no indication of any contamination in the oil.

FLUID CONDITION

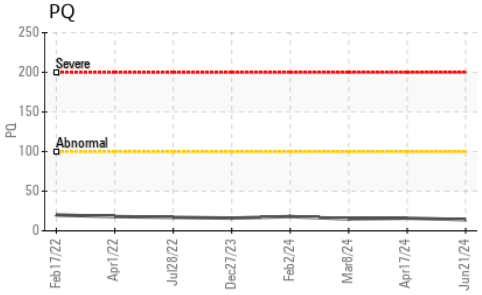
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0218600**	JR0211050	JR0208111
Sample Date		Client Info		**21 Jun 2024**	17 Apr 2024	08 Mar 2024
Machine Age	hrs	Client Info		**8093**	7808	7575
Oil Age	hrs	Client Info		**7345**	7293	7333
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Not Changd	Not Changd
Filter Changed		Client Info		**None**	None	None
Sample Status				**NORMAL**	NORMAL	NORMAL
PQ		ASTM D8184		**14**	16	15
Iron	ppm	ASTM D5185m	>151	**33**	28	20
Chromium	ppm	ASTM D5185m	>11	**<1**	<1	0
Nickel	ppm	ASTM D5185m	>10	**<1**	<1	0
Titanium	ppm	ASTM D5185m		**<1**	<1	0
Silver	ppm	ASTM D5185m		**<1**	0	0
Aluminum	ppm	ASTM D5185m	>21	**4**	3	2
Lead	ppm	ASTM D5185m	>51	**<1**	<1	0
Copper	ppm	ASTM D5185m	>51	**<1**	<1	0
Tin	ppm	ASTM D5185m	>4	**0**	<1	0
Vanadium	ppm	ASTM D5185m		**<1**	<1	<1
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	**10**	11	8
Potassium	ppm	ASTM D5185m	>20	**2**	2	0
Water		WC Method	>0.1	**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	>0.1	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	**4**	0	2
Boron	ppm	ASTM D5185m		**252**	313	237
Barium	ppm	ASTM D5185m		**0**	2	<1
Molybdenum	ppm	ASTM D5185m		**203**	215	202
Manganese	ppm	ASTM D5185m		**<1**	1	<1
Magnesium	ppm	ASTM D5185m		**748**	738	691
Calcium	ppm	ASTM D5185m		**1374**	1439	1394
Phosphorus	ppm	ASTM D5185m		**981**	975	867
Zinc	ppm	ASTM D5185m		**1053**	1026	884
Sulfur	ppm	ASTM D5185m		**3659**	4467	3417
Visc @ 40°C	cSt	ASTM D445	117	**65.9**	67.4	69.6

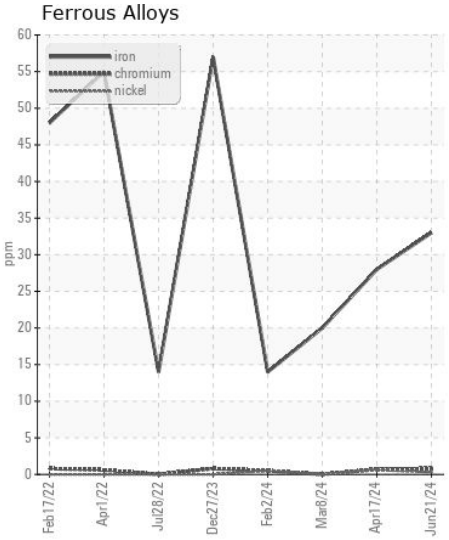
Viscosity @ 40°C



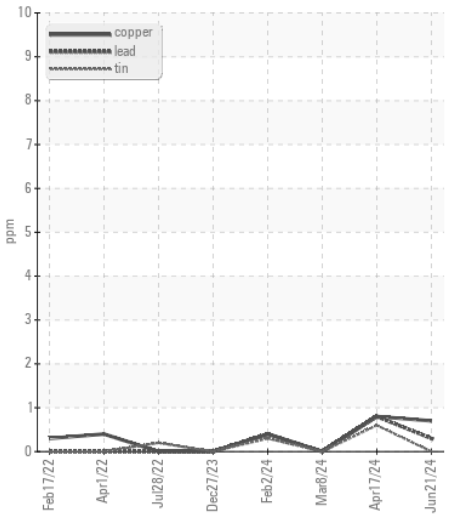
PQ



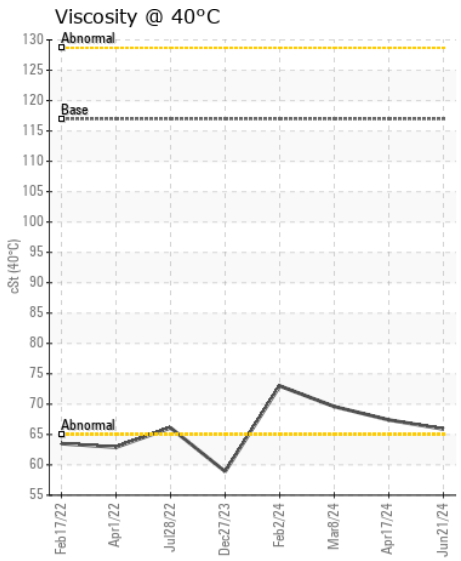
Ferrous Alloys



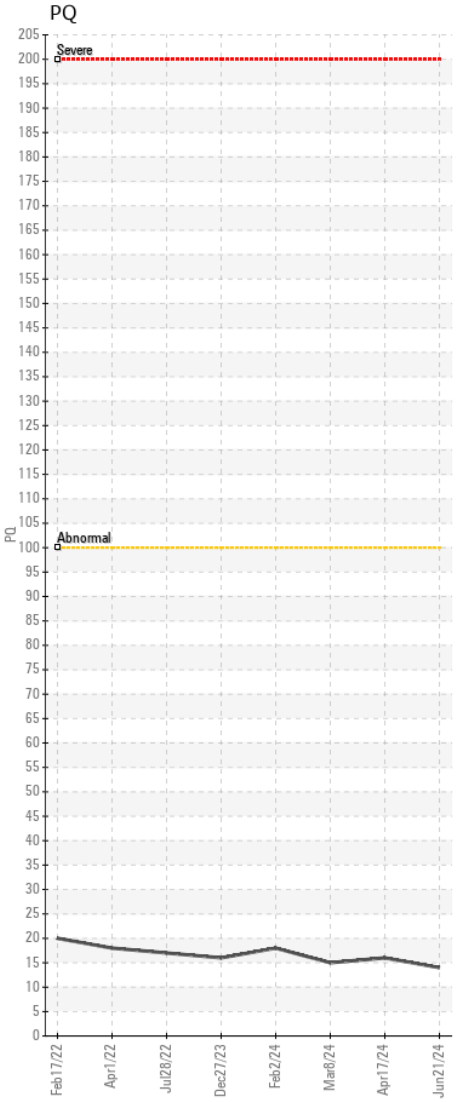
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218600
Lab Number : 06220016
Unique Number : 11098213
Test Package : CONST (Additional Tests: PQ)

Received : 25 Jun 2024
Tested : 26 Jun 2024
Diagnosed : 26 Jun 2024 - Wes Davis

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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