James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 345G 1FF345GXCMF020838
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

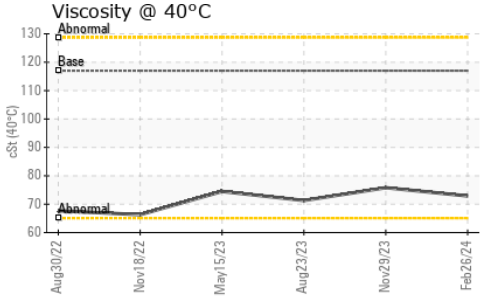
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0195808	JR0192390	JR0183805
Sample Date		Client Info		26 Feb 2024	29 Nov 2023	23 Aug 2023
Machine Age	hrs	Client Info		2935	2406	1964
Oil Age	hrs	Client Info		2493	442	1025
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		None	N/A	None
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184		14	12	19
Iron	ppm	ASTM D5185m	>500	71	61	94
Chromium	ppm	ASTM D5185m	>15	<1	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	6	3
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m	>35	0	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	15	14	10
Potassium	ppm	ASTM D5185m	>20	<1	1	0
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
Sodium	ppm	ASTM D5185m		2	3	3
Boron	ppm	ASTM D5185m		258	291	275
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		234	253	223
Manganese	ppm	ASTM D5185m		<1	1	2
Magnesium	ppm	ASTM D5185m		792	826	656
Calcium	ppm	ASTM D5185m		1600	1491	1912
Phosphorus	ppm	ASTM D5185m		936	967	972
Zinc	ppm	ASTM D5185m		1107	1118	1102
Sulfur	ppm	ASTM D5185m		3731	3527	4632
Visc @ 40°C	cSt	ASTM D445	117	72.9	75.8	71.3

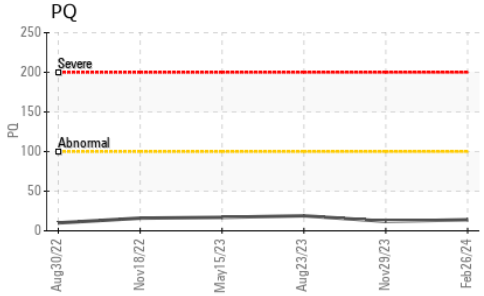
Report Id: JAMMAN [WUSCAR] 06102575 (Generated: 02/29/2024 08:26:07) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

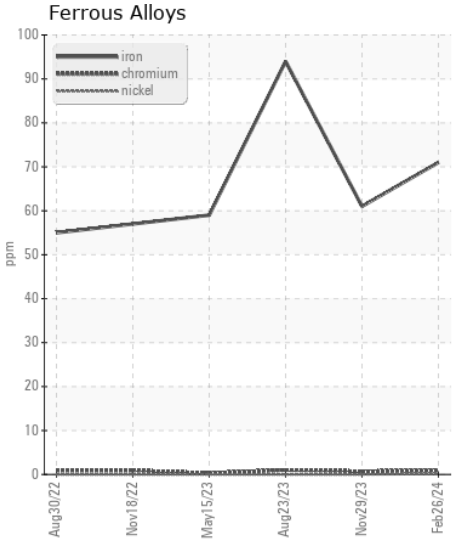
Viscosity @ 40°C



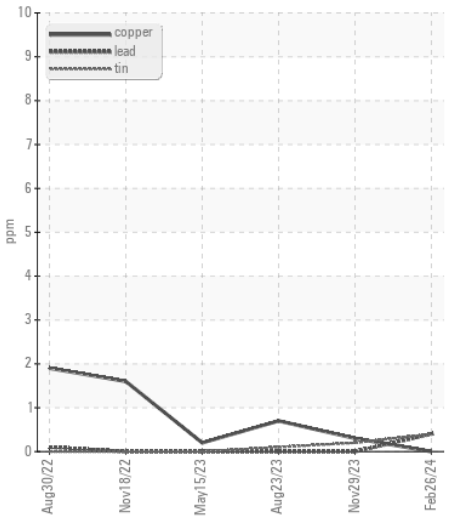
PQ



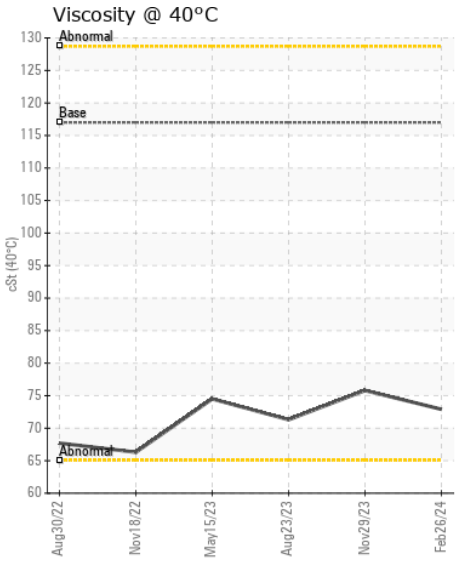
Ferrous Alloys



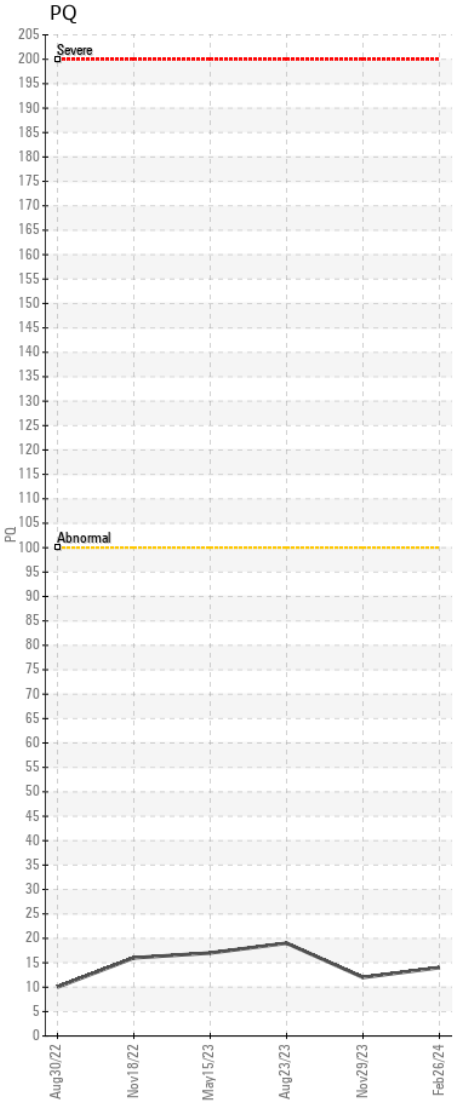
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0195808
Lab Number : 06102575
Unique Number : 10900805
Test Package : CONST (Additional Tests: PQ)

Received : 27 Feb 2024
Tested : 29 Feb 2024
Diagnosed : 29 Feb 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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