James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
C315779 (S/N 1FF160GXTNF058745)
Component
Pump Drive
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

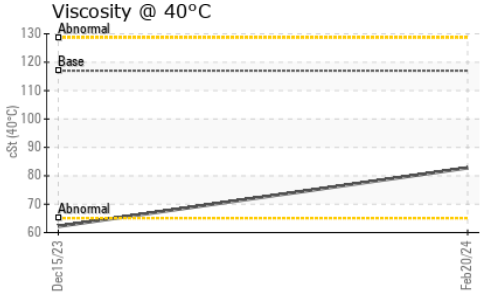
There is no indication of any contamination in the oil.

FLUID CONDITION

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

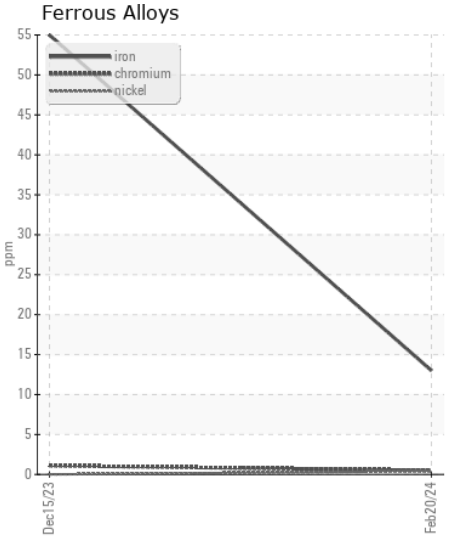
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0192823	JR0151090	---
Sample Date		Client Info		20 Feb 2024	15 Dec 2023	---
Machine Age	hrs	Client Info		1587	1532	---
Oil Age	hrs	Client Info		55	1532	---
Filter Age	hrs	Client Info		0	1532	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---
PQ		ASTM D8184		14	15	---
Iron	ppm	ASTM D5185m	>500	13	55	---
Chromium	ppm	ASTM D5185m	>15	<1	1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>20	2	6	---
Lead	ppm	ASTM D5185m		<1	0	---
Copper	ppm	ASTM D5185m	>35	<1	3	---
Tin	ppm	ASTM D5185m	>4	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	11	17	---
Potassium	ppm	ASTM D5185m	>20	2	1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m		0	5	---
Boron	ppm	ASTM D5185m		305	65	---
Barium	ppm	ASTM D5185m		6	6	---
Molybdenum	ppm	ASTM D5185m		261	110	---
Manganese	ppm	ASTM D5185m		<1	2	---
Magnesium	ppm	ASTM D5185m		720	19	---
Calcium	ppm	ASTM D5185m		1469	4263	---
Phosphorus	ppm	ASTM D5185m		890	1218	---
Zinc	ppm	ASTM D5185m		1029	1371	---
Sulfur	ppm	ASTM D5185m		3824	8564	---
Visc @ 40°C	cSt	ASTM D445	117	82.8	62.2	---

Viscosity @ 40°C

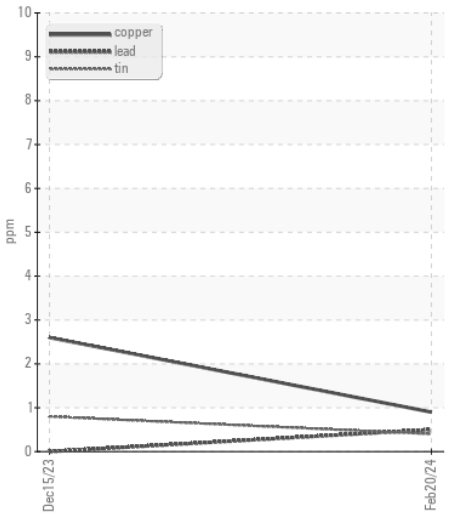


PQ

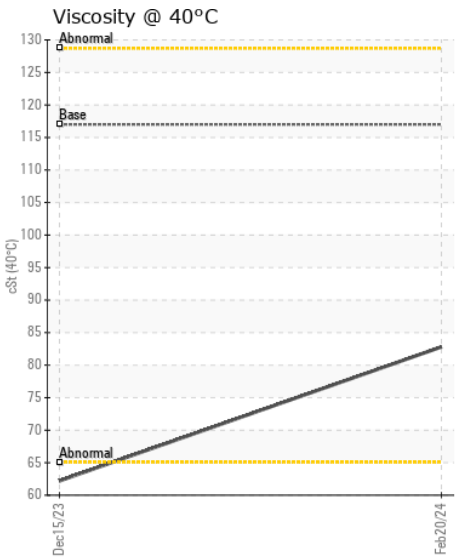
Ferrous Alloys



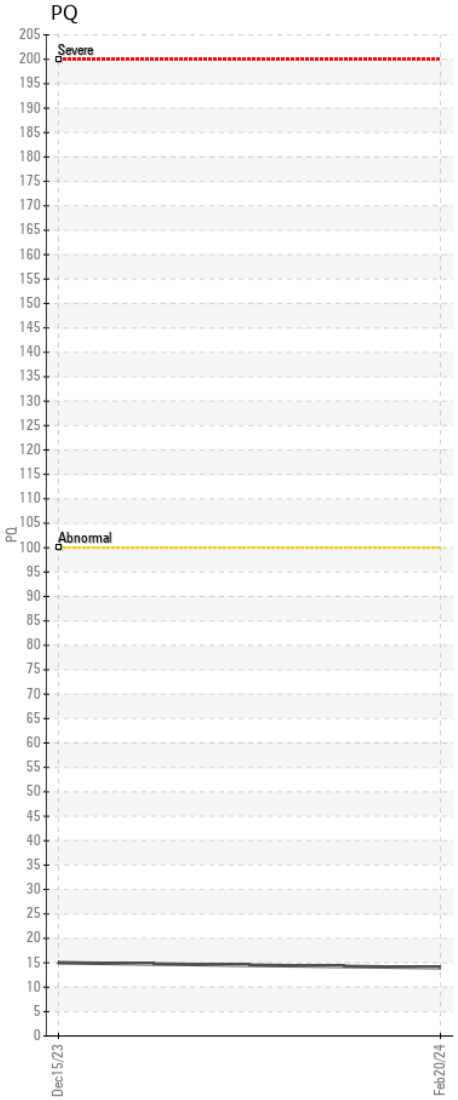
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0192823 **Received** : 22 Feb 2024
Lab Number : 06097989 **Tested** : 23 Feb 2024
Unique Number : 10896219 **Diagnosed** : 23 Feb 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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