James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
DEERE 10552
Component
Front Differential
Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Front Differential)

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

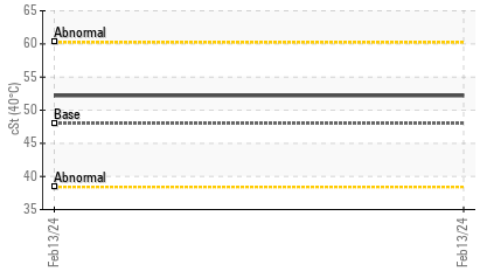
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0198325	---	---
Sample Date		Client Info		13 Feb 2024	---	---
Machine Age	hrs	Client Info		5028	---	---
Oil Age	hrs	Client Info		5028	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				NORMAL	---	---
PQ		ASTM D8184		32	---	---
Iron	ppm	ASTM D5185m	>500	56	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	2	---	---
Lead	ppm	ASTM D5185m	>25	64	---	---
Copper	ppm	ASTM D5185m	>100	21	---	---
Tin	ppm	ASTM D5185m	>10	1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	8	---	---
Potassium	ppm	ASTM D5185m	>20	1	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>.2	NEG	---	---
Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m	10	19	---	---
Barium	ppm	ASTM D5185m	10	12	---	---
Molybdenum	ppm	ASTM D5185m	10	1	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m	100	88	---	---
Calcium	ppm	ASTM D5185m	3500	3372	---	---
Phosphorus	ppm	ASTM D5185m	1150	1112	---	---
Zinc	ppm	ASTM D5185m	1150	1236	---	---
Sulfur	ppm	ASTM D5185m	5000	4816	---	---
Visc @ 40°C	cSt	ASTM D445	48	52.2	---	---

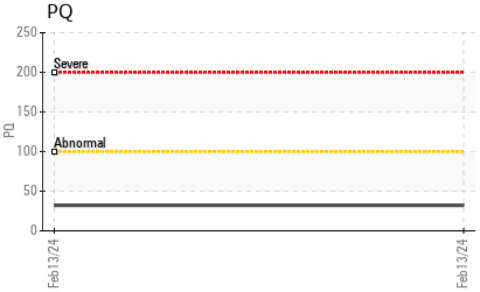
Report Id: JAMCHA [WUSCAR] 06089113 (Generated: 02/22/2024 19:20:18) Rev: 1

Submitted By: Ray Benson

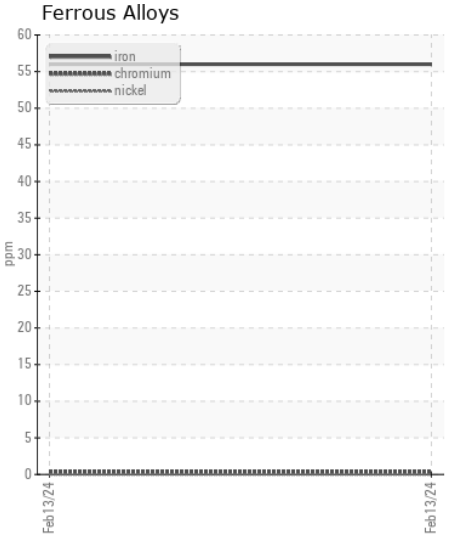
Viscosity @ 40°C



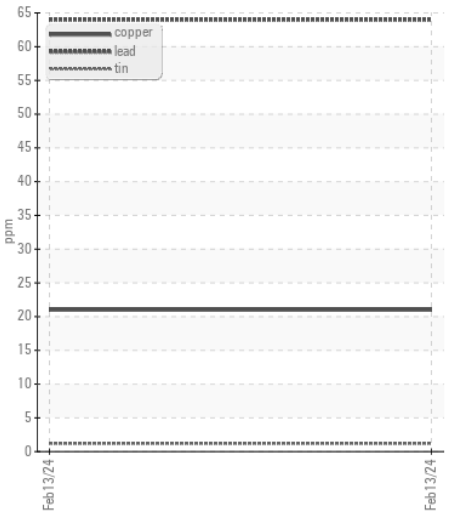
PQ



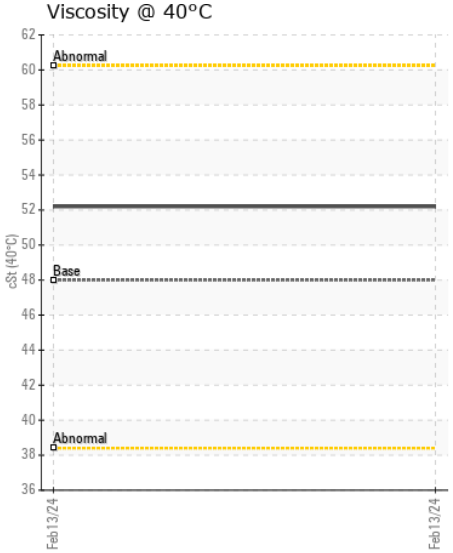
Ferrous Alloys



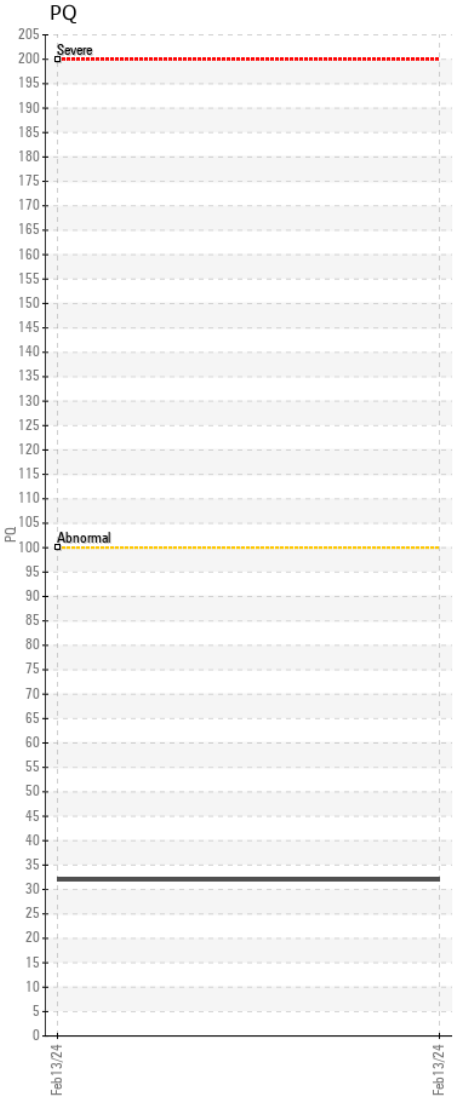
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198325 **Received** : 14 Feb 2024
Lab Number : 06089113 **Tested** : 15 Feb 2024
Unique Number : 10876558 **Diagnosed** : 15 Feb 2024 - Don Baldridge
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)

JRE - CHARLOTTE
9550 STATESVILLE ROAD
CHARLOTTE, NC
US 28269
Contact: CHARLOTTE SHOP
myoung@jamesriverequipment.com
T: (704)597-0211
F: (704)596-6198