TRAAP
Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 4125
Component
Front Differential
Fluid
TRC SPECIAL 303 (6 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

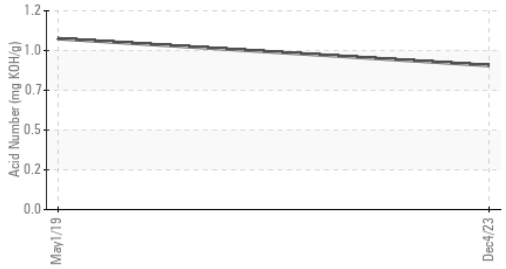
There is no indication of any contamination in the oil.

FLUID CONDITION

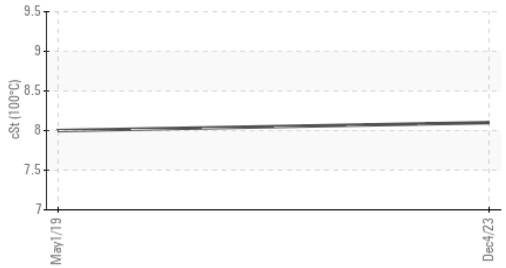
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06062949	TR04712311	---
Sample Date		Client Info		04 Dec 2023	01 May 2019	---
Machine Age	hrs	Client Info		2146	900	---
Oil Age	hrs	Client Info		304	500	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500	12	123	---
Chromium	ppm	ASTM D5185m	>10	0	2	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	1	<1	---
Lead	ppm	ASTM D5185m	>25	<1	1	---
Copper	ppm	ASTM D5185m	>100	5	9	---
Tin	ppm	ASTM D5185m	>10	<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	25	45	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	▲ MODER	---
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	>.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m		8	2	---
Boron	ppm	ASTM D5185m		143	138	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		1	<1	---
Manganese	ppm	ASTM D5185m		<1	6	---
Magnesium	ppm	ASTM D5185m		9	12	---
Calcium	ppm	ASTM D5185m		4693	4309	---
Phosphorus	ppm	ASTM D5185m		1387	1386	---
Zinc	ppm	ASTM D5185m		1889	1506	---
Sulfur	ppm	ASTM D5185m		4281	9281	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.87	1.032	---
Visc @ 40°C	cSt	ASTM D445		48.0	---	---
Visc @ 100°C	cSt	ASTM D445		8.1	8.0	---
Viscosity Index (VI)	Scale	ASTM D2270		141	---	---

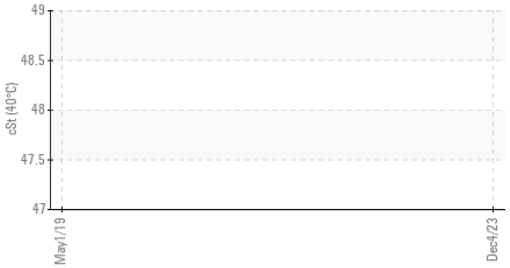
Acid Number



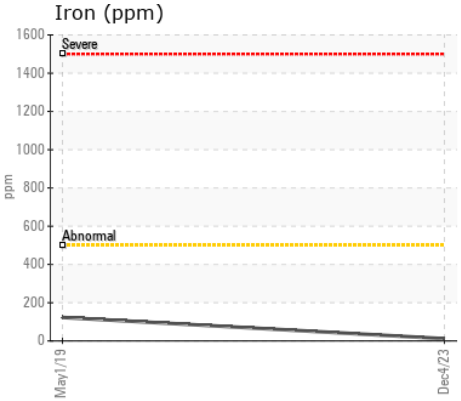
Viscosity @ 100°C



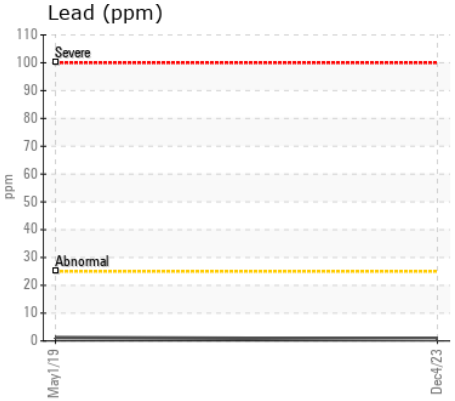
Viscosity @ 40°C



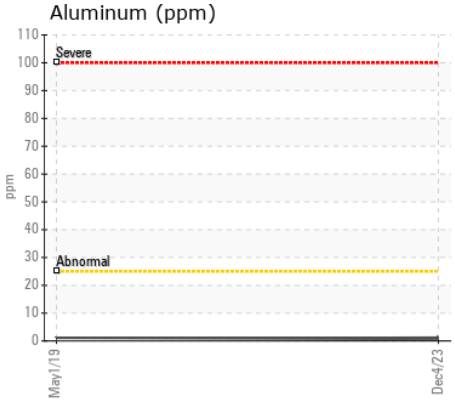
Iron (ppm)



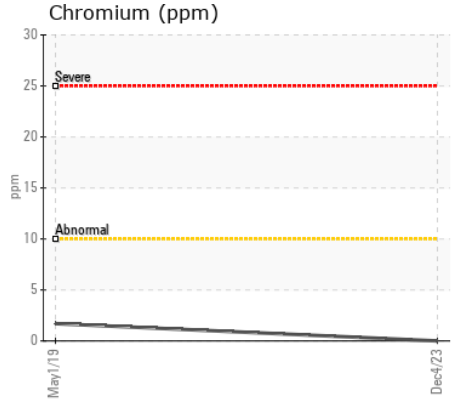
Lead (ppm)



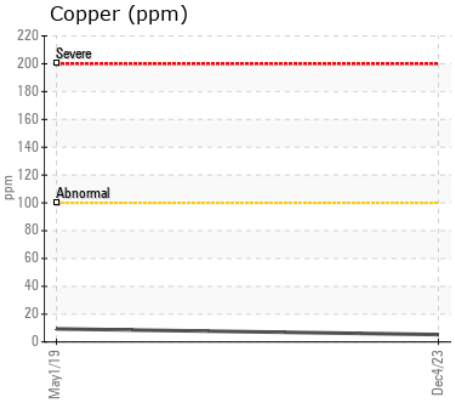
Aluminum (ppm)



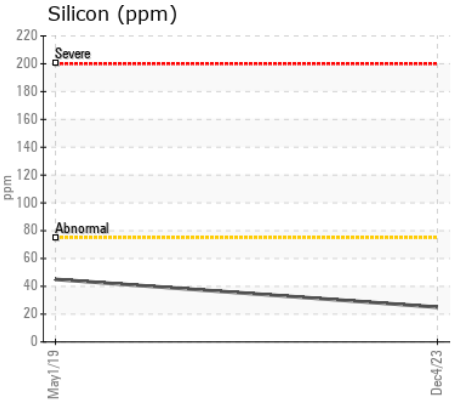
Chromium (ppm)



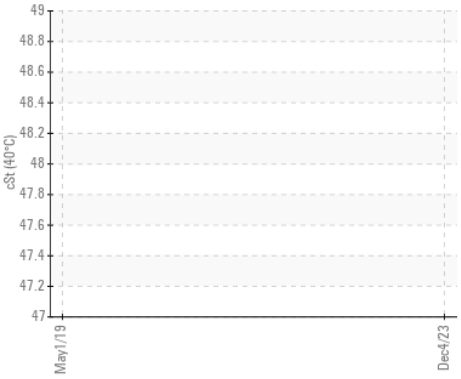
Copper (ppm)



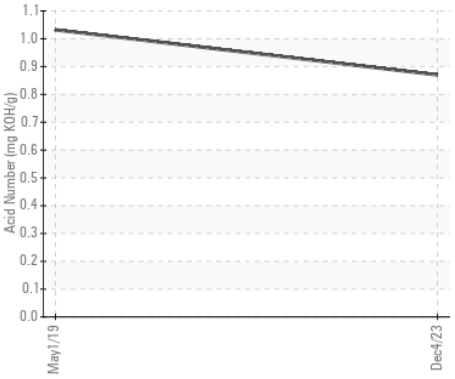
Silicon (ppm)



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06062949 **Recieved** : 17 Jan 2024
Lab Number : 06062949 **Diagnosed** : 19 Jan 2024
Unique Number : 10834331 **Diagnostician** : Don Baldridge
Test Package : MOB 2 (Additional Tests: KV100, VI)

To discuss this sample report, contact Customer Service at 1-800-827-0711.
** - 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)

RANDALL COUNTY ROAD DEPT.
301 WEST HIGHWAY 60
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US 79015
Contact: MIKE LEWIS

T:
F: