MOB

James River Equipment

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area
[W9019]
Machine Id
JOHN DEERE H1590586
Component
Drum Gearbox
Fluid
JOHN DEERE GL-5 80W90 (10 QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. (Customer Sample Comment: W9019)

WEAR

Gear wear is indicated.

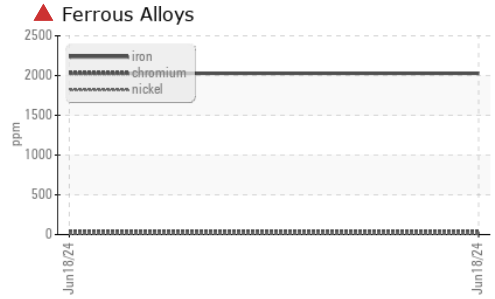
CONTAMINATION

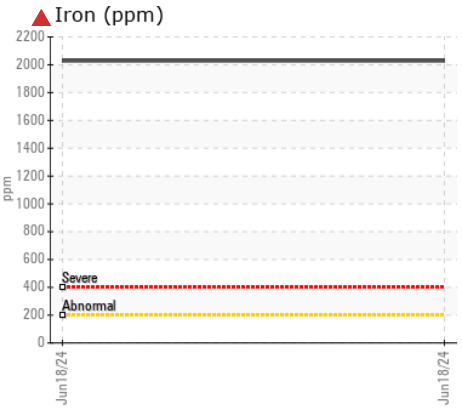
There is a light concentration of water present in the oil.

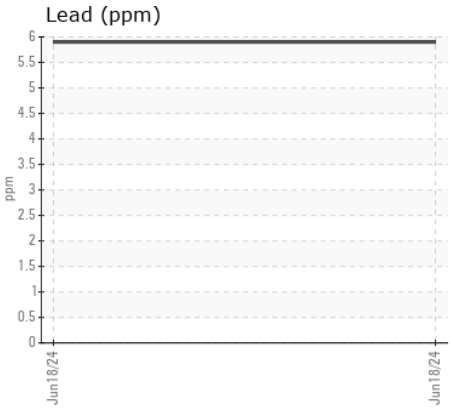
FLUID CONDITION

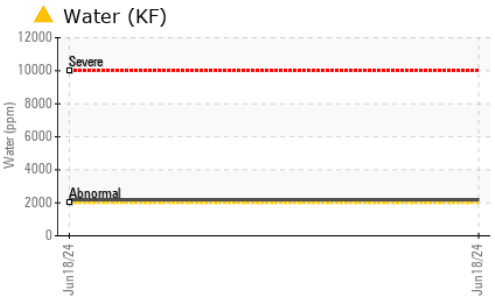
The oil viscosity is lower than normal. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

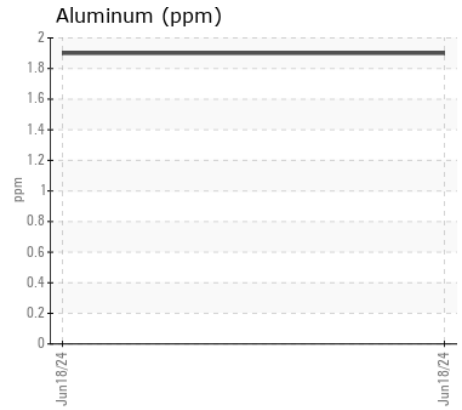
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196816	---	---
Sample Date		Client Info		18 Jun 2024	---	---
Machine Age	hrs	Client Info		3529	---	---
Oil Age	hrs	Client Info		3529	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
PQ		ASTM D8184		45	---	---
Iron	ppm	ASTM D5185m	>200	▲ 2028	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 31	---	---
Nickel	ppm	ASTM D5185m	>10	9	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		2	---	---
Lead	ppm	ASTM D5185m		6	---	---
Copper	ppm	ASTM D5185m		94	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m		14	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water	%	ASTM D6304	>0.2	▲ 0.218	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2180	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	---	---
Sodium	ppm	ASTM D5185m		14	---	---
Boron	ppm	ASTM D5185m		371	---	---
Barium	ppm	ASTM D5185m		2	---	---
Molybdenum	ppm	ASTM D5185m		3	---	---
Manganese	ppm	ASTM D5185m		13	---	---
Magnesium	ppm	ASTM D5185m		747	---	---
Calcium	ppm	ASTM D5185m		476	---	---
Phosphorus	ppm	ASTM D5185m		1466	---	---
Zinc	ppm	ASTM D5185m		213	---	---
Sulfur	ppm	ASTM D5185m		22167	---	---
Visc @ 40°C	cSt	ASTM D445		● 81.3	---	---

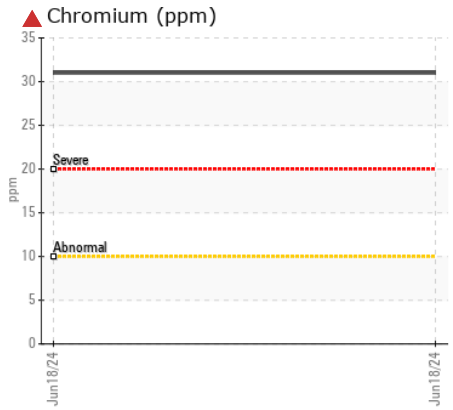


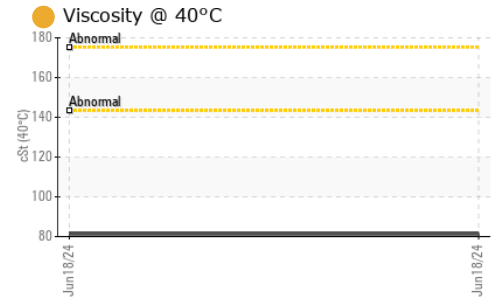


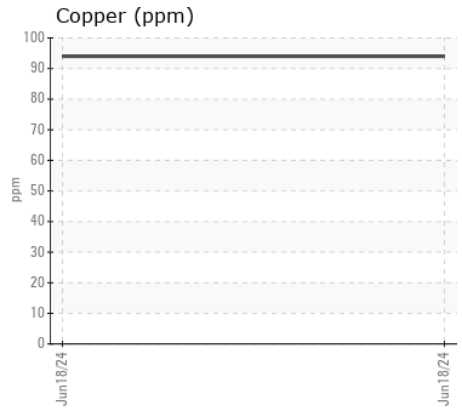


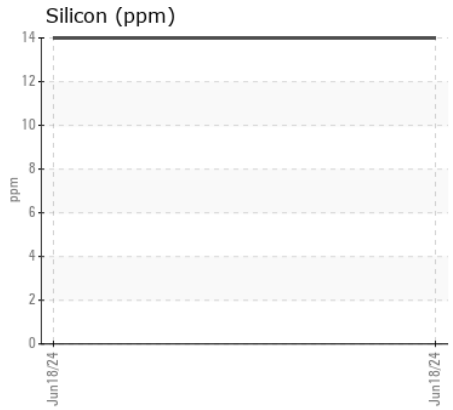


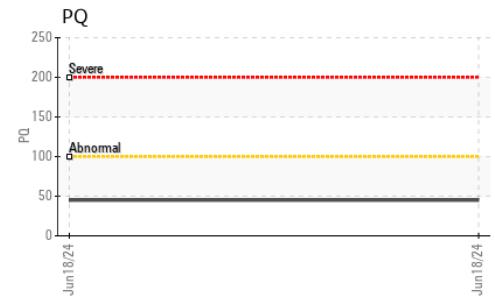


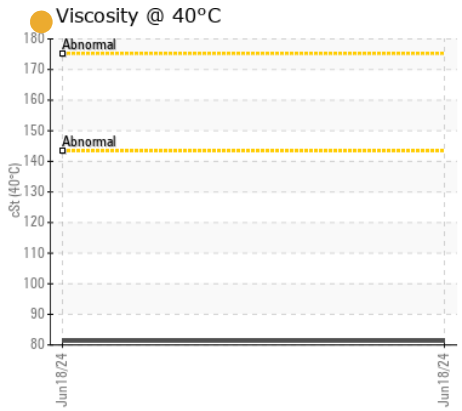


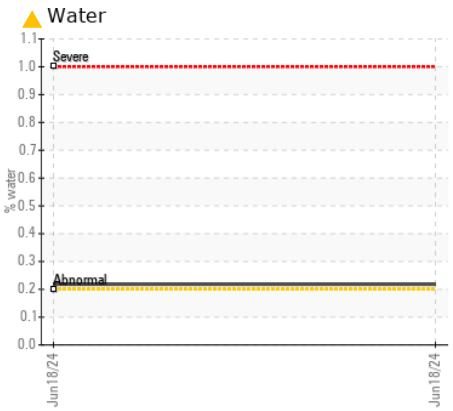












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196816
Lab Number : 06215989
Unique Number : 11088853
Test Package : MOBCE (Additional Tests: KF, PQ)

Received : 20 Jun 2024
Tested : 22 Jun 2024
Diagnosed : 23 Jun 2024 - Don Baldridge

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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