James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 544K 1DW544KPLEE661679
Component
Rear Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

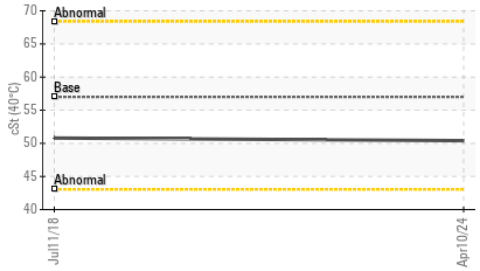
There is no indication of any contamination in the oil.

FLUID CONDITION

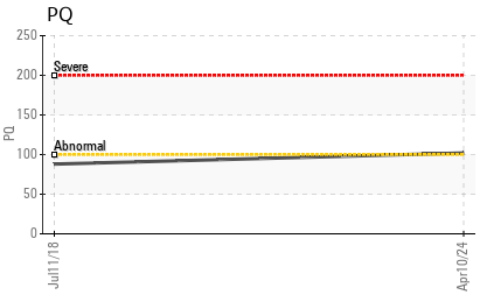
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0205060	JRMC460163	---
Sample Date		Client Info		10 Apr 2024	11 Jul 2018	---
Machine Age	hrs	Client Info		10581	4336	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---
PQ		ASTM D8184		102	88	---
Iron	ppm	ASTM D5185m	>500	448	▲ 1203	---
Chromium	ppm	ASTM D5185m	>10	2	6	---
Nickel	ppm	ASTM D5185m	>10	2	8	---
Titanium	ppm	ASTM D5185m		0	2	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	7	---
Lead	ppm	ASTM D5185m	>25	3	3	---
Copper	ppm	ASTM D5185m	>100	45	44	---
Tin	ppm	ASTM D5185m	>10	3	8	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	LIGHT	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	18	51	---
Potassium	ppm	ASTM D5185m	>20	0	3	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	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	0.2%	---
Sodium	ppm	ASTM D5185m		4	13	---
Boron	ppm	ASTM D5185m	6	5	4	---
Barium	ppm	ASTM D5185m	0	0	4	---
Molybdenum	ppm	ASTM D5185m	0	3	0	---
Manganese	ppm	ASTM D5185m		5	19	---
Magnesium	ppm	ASTM D5185m	145	94	99	---
Calcium	ppm	ASTM D5185m	3570	3088	3540	---
Phosphorus	ppm	ASTM D5185m	1290	950	1044	---
Zinc	ppm	ASTM D5185m	1640	1111	1086	---
Sulfur	ppm	ASTM D5185m		3810	3552	---
Visc @ 40°C	cSt	ASTM D445	57.0	50.4	50.8	---

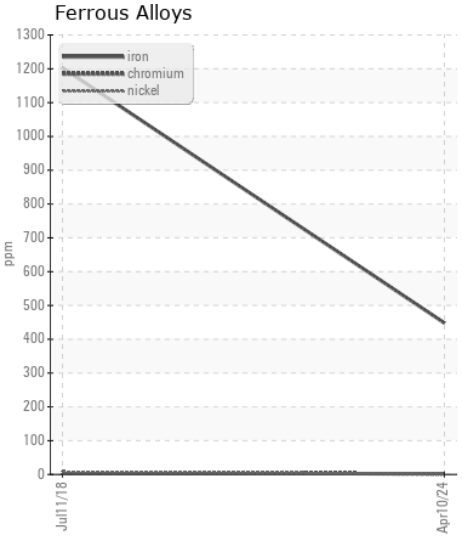
Viscosity @ 40°C



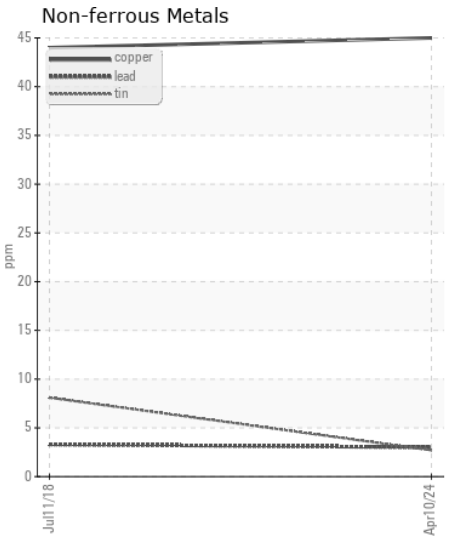
PQ



Ferrous Alloys



Non-ferrous Metals



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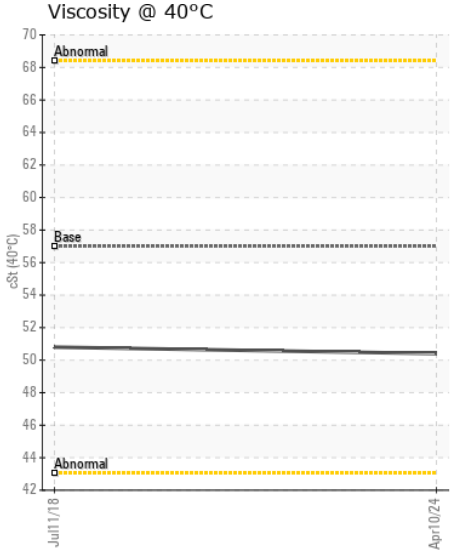
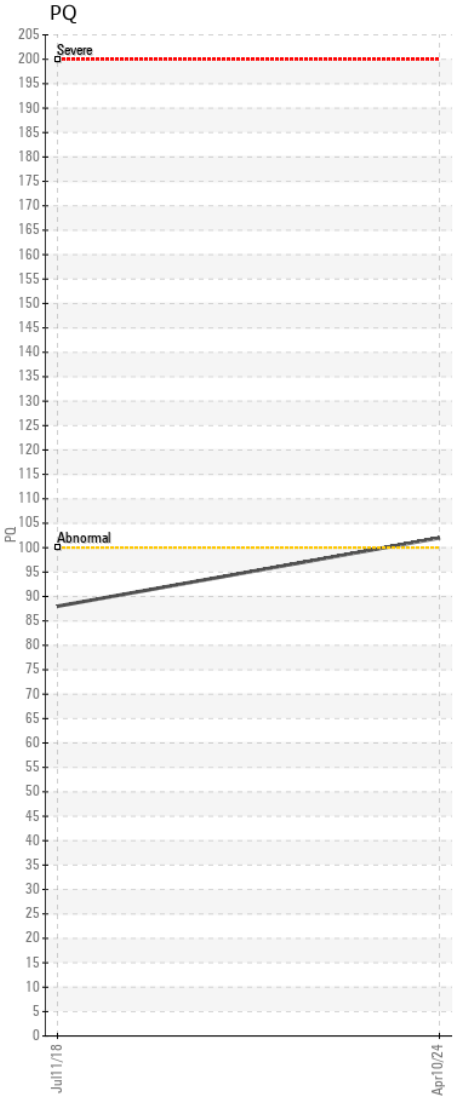


PQ



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205060
Lab Number : 06146162
Unique Number : 10976240
Test Package : CONST (Additional Tests: PQ)

Received : 11 Apr 2024
Tested : 12 Apr 2024
Diagnosed : 12 Apr 2024 - Wes Davis

Certificate L2367

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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