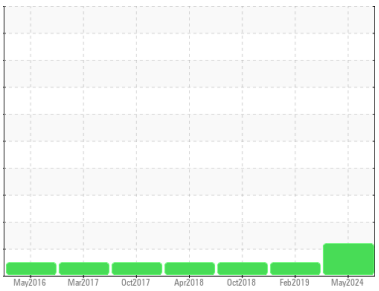
JAMES RIVER EQUIPMENT

OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL

Machine Id
JOHN DEERE 744K 1DW744KXKED662205
Component
Transmission (Manual)
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

DIAGNOSIS

Recommendation
We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear
Moderate concentration of visible metal present. All component wear rates are normal.

Contamination
There is no indication of any contamination in the fluid.

Fluid Condition
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**JR0210045**	JRMC468017	JRMC470159
Sample Date		Client Info		**08 May 2024**	20 Feb 2019	30 Oct 2018
Machine Age	hrs	Client Info		**10259**	3519	3081
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	N/A	N/A
Sample Status				**ABNORMAL**	NORMAL	NORMAL

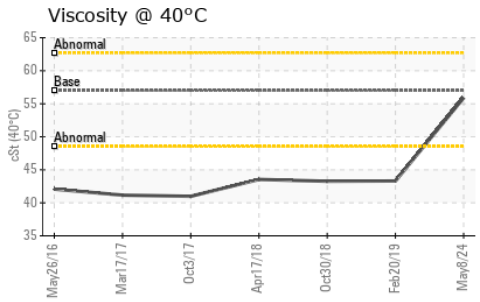
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

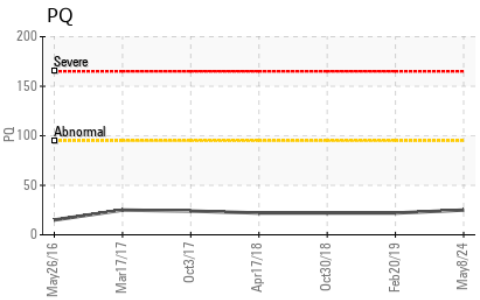
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>95	**25**	22	22
Iron	ppm	ASTM D5185m	>200	**7**	40	40
Chromium	ppm	ASTM D5185m	>5	**0**	<1	<1
Nickel	ppm	ASTM D5185m	>5	**0**	<1	0
Titanium	ppm	ASTM D5185m		**0**	<1	0
Silver	ppm	ASTM D5185m	>7	**0**	<1	<1
Aluminum	ppm	ASTM D5185m	>25	**<1**	1	<1
Lead	ppm	ASTM D5185m	>45	**0**	<1	0
Copper	ppm	ASTM D5185m	>225	**28**	5	7
Tin	ppm	ASTM D5185m	>10	**0**	0	0
Antimony	ppm	ASTM D5185m		**---**	1	0
Vanadium	ppm	ASTM D5185m		**0**	1	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	**0**	0	2
Barium	ppm	ASTM D5185m	0	**0**	<1	0
Molybdenum	ppm	ASTM D5185m	0	**<1**	<1	0
Manganese	ppm	ASTM D5185m		**<1**	<1	1
Magnesium	ppm	ASTM D5185m	145	**97**	87	100
Calcium	ppm	ASTM D5185m	3570	**3332**	3516	3788
Phosphorus	ppm	ASTM D5185m	1290	**1001**	1089	1045
Zinc	ppm	ASTM D5185m	1640	**1128**	1248	1352
Sulfur	ppm	ASTM D5185m		**3727**	3269	3749

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	**6**	7	8
Sodium	ppm	ASTM D5185m		**10**	11	12
Potassium	ppm	ASTM D5185m	>20	**5**	0	3

OIL ANALYSIS REPORT



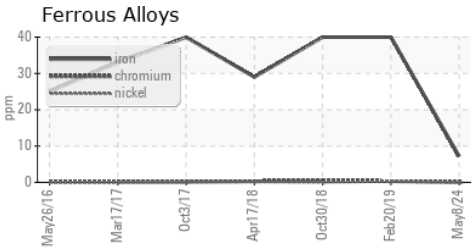


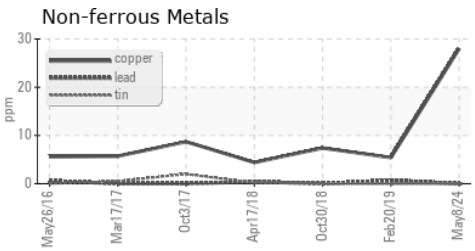
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	▲ **MODER**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

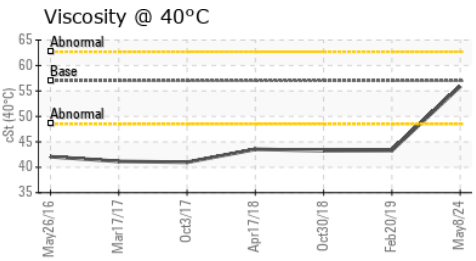
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	**55.9**	43.3	43.26

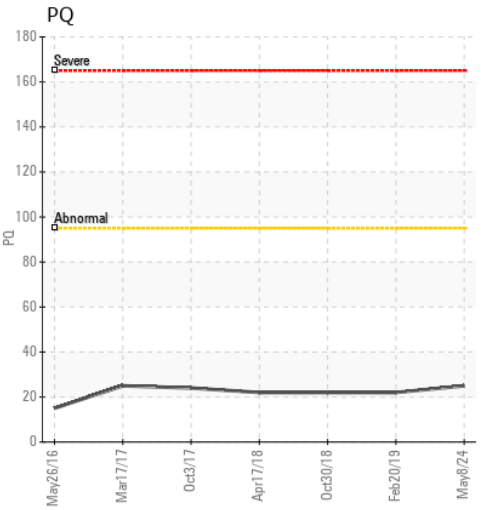
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210045 **Received** : 14 May 2024
Lab Number : 06179029 **Tested** : 16 May 2024
Unique Number : 11030355 **Diagnosed** : 16 May 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)

KICKIN ASPHALT
749 BORDEN MOWREY DR
STRASBURG, VA
US 22656
Contact: SHOP ADMINISTRATOR
kickinasphalt.shop@gmail.com
T: (540)481-1029
F:

Report Id: KICSTR [WUSCAR] 06179029 (Generated: 05/20/2024 14:10:48) Rev: 1
Contact/Location: SHOP ADMINISTRATOR - KICSTR