



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD F150 V50
Component
Transmission (Auto)
Fluid
ATF (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0198937	JR0066261	JR0066390
Sample Date		Client Info		17 Jan 2024	10 Dec 2021	01 Feb 2021
Machine Age	mls	Client Info		0	300876	294380
Oil Age	mls	Client Info		7000	28131	21635
Filter Age	mls	Client Info		0	0	21635
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	25	37	33
Iron	ppm	ASTM D5185m	>160	42	52	48
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>5	0	1	<1
Aluminum	ppm	ASTM D5185m	>50	2	4	5
Lead	ppm	ASTM D5185m	>50	11	14	13
Copper	ppm	ASTM D5185m	>225	205	238	218
Tin	ppm	ASTM D5185m	>10	3	4	4
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

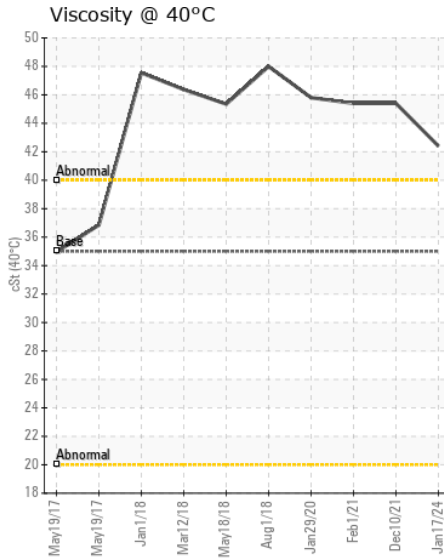
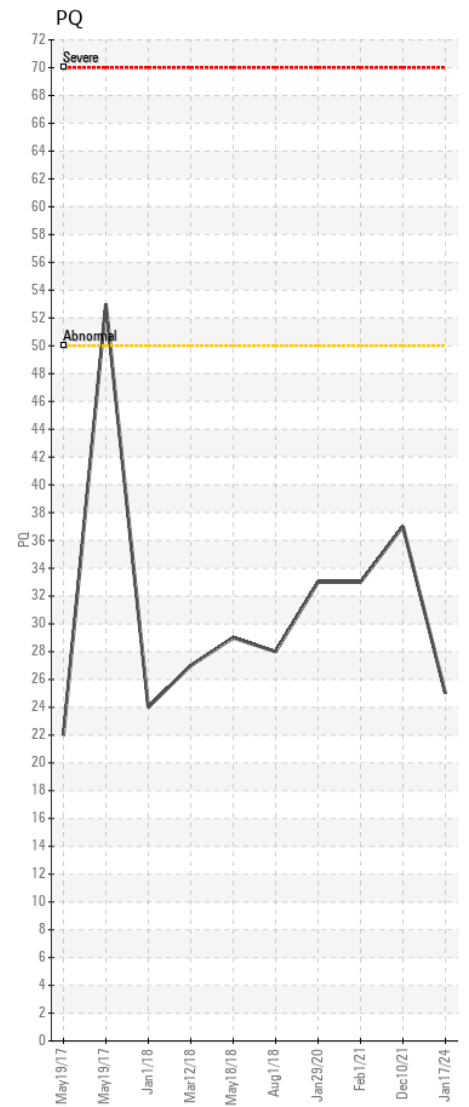
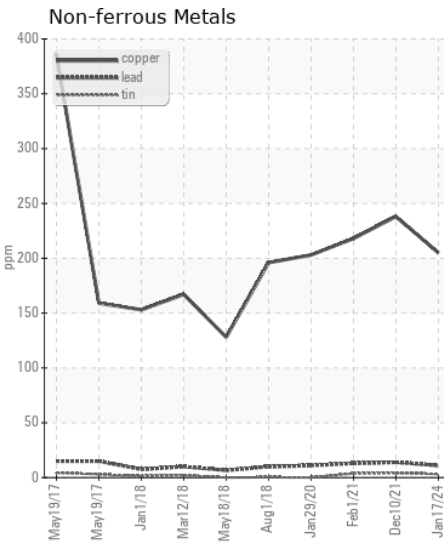
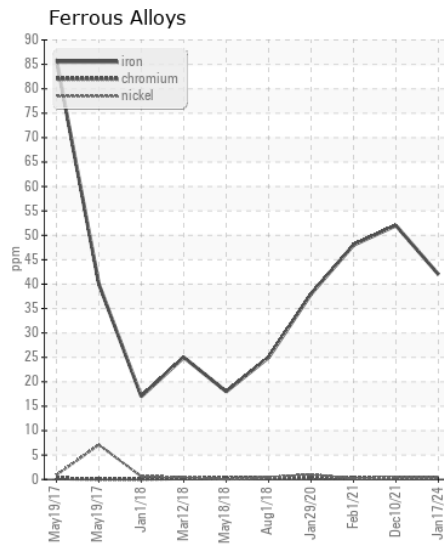
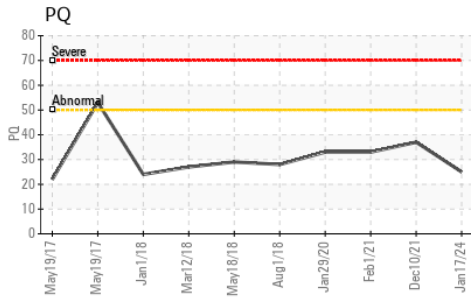
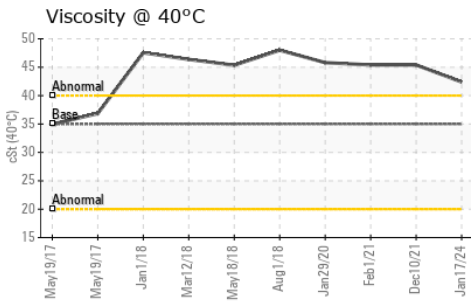
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	7	6	6
Potassium	ppm	ASTM D5185m	>20	4	5	5
Water		WC Method	>0.1	NEG	NEG	NEG
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		10	8	9
Boron	ppm	ASTM D5185m		65	10	10
Barium	ppm	ASTM D5185m		2	<1	<1
Molybdenum	ppm	ASTM D5185m		<1	1	2
Manganese	ppm	ASTM D5185m		0	1	1
Magnesium	ppm	ASTM D5185m		9	14	14
Calcium	ppm	ASTM D5185m		1729	3628	3620
Phosphorus	ppm	ASTM D5185m		771	1340	1421
Zinc	ppm	ASTM D5185m		712	1189	1269
Sulfur	ppm	ASTM D5185m		3999	3896	4476
Visc @ 40°C	cSt	ASTM D445	35.0	42.4	45.4	45.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0198937

Lab Number : 06082722

Unique Number : 10870167

Test Package : CONST (Additional Tests: PQ)

Received : 07 Feb 2024

Tested : 08 Feb 2024

Diagnosed : 09 Feb 2024 - Sean Felton

MATTHEWS CONSTRUCTION

127 GRAYSON RD

ROCK HILL, SC

US 29732

Contact: Tad Clinton

tcClinton@matthewsconstructionco.com

T: (803)207-5607

F:

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)