



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD F150 V50
 Component
Transfer Case
 Fluid
ATF (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The copper level is abnormal. All other component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

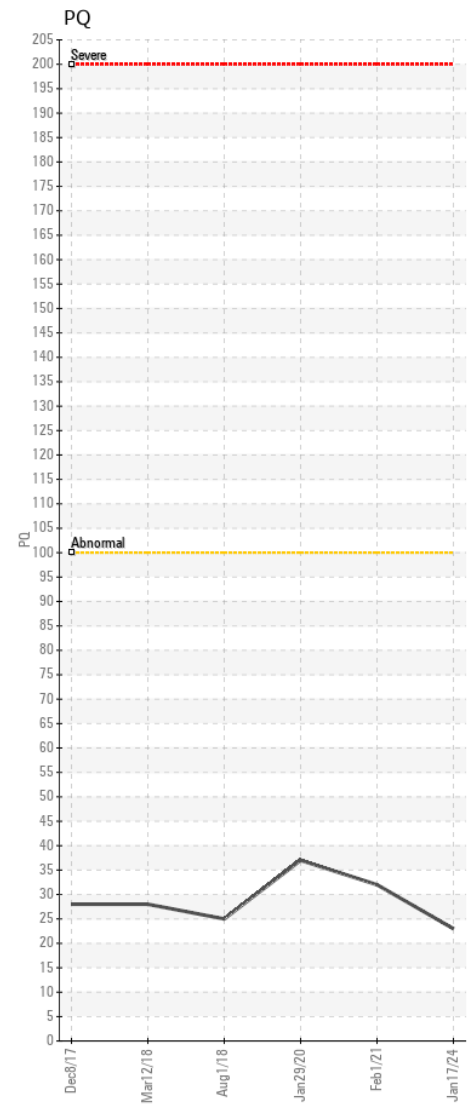
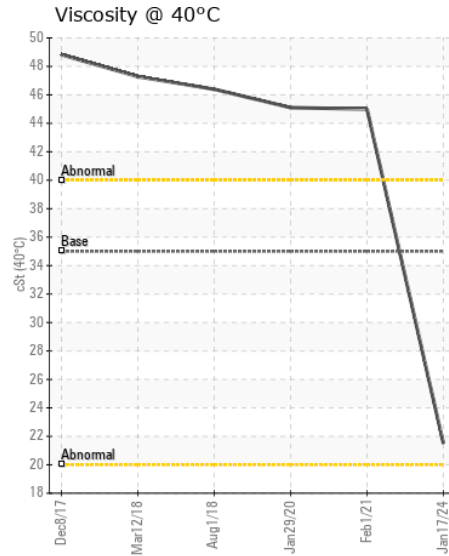
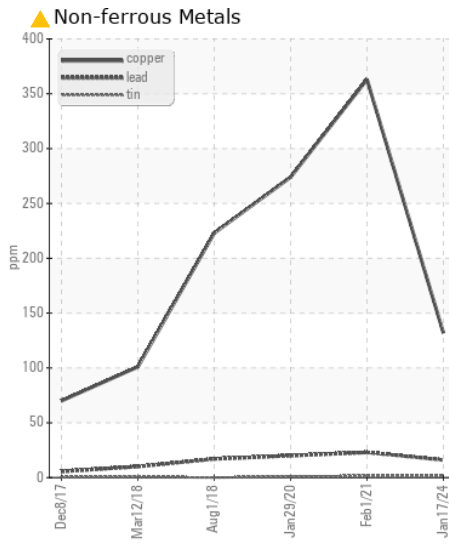
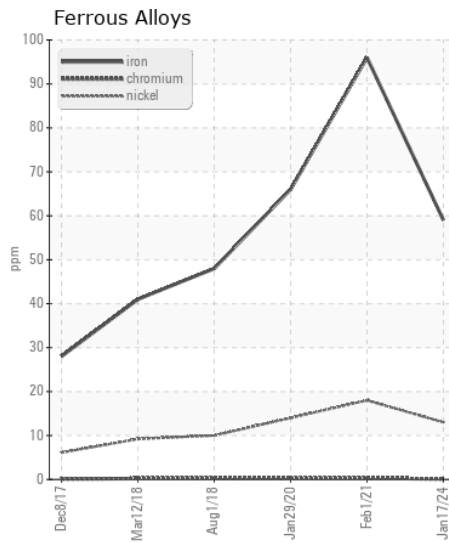
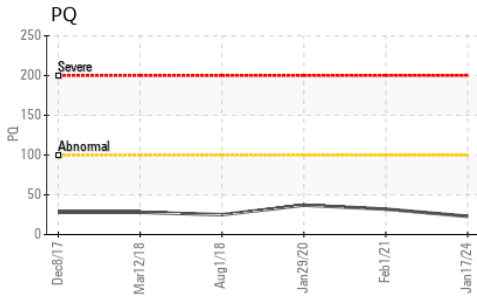
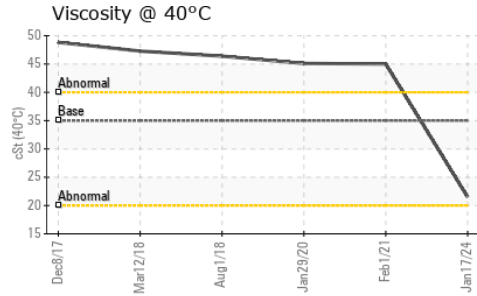
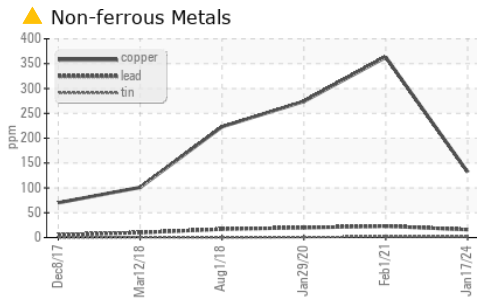
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0198940	JR0066467	JRMC467603
Sample Date		Client Info		17 Jan 2024	01 Feb 2021	29 Jan 2020
Machine Age	mls	Client Info		0	294380	287845
Oil Age	mls	Client Info		7000	21635	15100
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Not Changed	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

PQ		ASTM D8184		23	32	37
Iron	ppm	ASTM D5185m	>500	59	96	66
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	13	18	14
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>45	7	9	4
Lead	ppm	ASTM D5185m	>150	16	23	20
Copper	ppm	ASTM D5185m	>100	▲ 132	▲ 363	▲ 274
Tin	ppm	ASTM D5185m	>5	2	2	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>85	17	14	10
Potassium	ppm	ASTM D5185m	>20	0	3	3
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		1	0	2
Boron	ppm	ASTM D5185m		75	64	54
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	1	<1
Manganese	ppm	ASTM D5185m		6	9	6
Magnesium	ppm	ASTM D5185m		2	13	12
Calcium	ppm	ASTM D5185m		350	3158	2996
Phosphorus	ppm	ASTM D5185m		415	1304	1240
Zinc	ppm	ASTM D5185m		250	1070	1023
Sulfur	ppm	ASTM D5185m		2234	4380	4370
Visc @ 40°C	cSt	ASTM D445	35.0	21.5	45.0	45.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198940 **Received** : 07 Feb 2024
Lab Number : 06082806 **Tested** : 08 Feb 2024
Unique Number : 10870251 **Diagnosed** : 09 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

MATTHEWS CONSTRUCTION
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 ROCK HILL, SC
 US 29732
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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)