



WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
5C07
Machine Id
FORD F550 TVK9987 (S/N 1FDUF5GT0JDA07706)
Component
Transmission (Auto)
Fluid
DEXRON III (--- QTS)

RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ARI0007591	ARI0006478	ARI0006358
Sample Date		Client Info		05 Jan 2024	04 Oct 2023	29 Jun 2023
Machine Age	mls	Client Info		62895	0	57800
Oil Age	mls	Client Info		3316	0	4100
Filter Age	mls	Client Info		0	0	4100
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Moderate concentration of visible metal present. Gear wear is indicated.

Iron	ppm	ASTM D5185m	>160	▲ 215	▲ 210	▲ 206
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	6	6	6
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	▲ 76	▲ 77	▲ 81
Lead	ppm	ASTM D5185m	>50	3	<1	<1
Copper	ppm	ASTM D5185m	>225	105	104	103
Tin	ppm	ASTM D5185m	>10	8	8	8
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

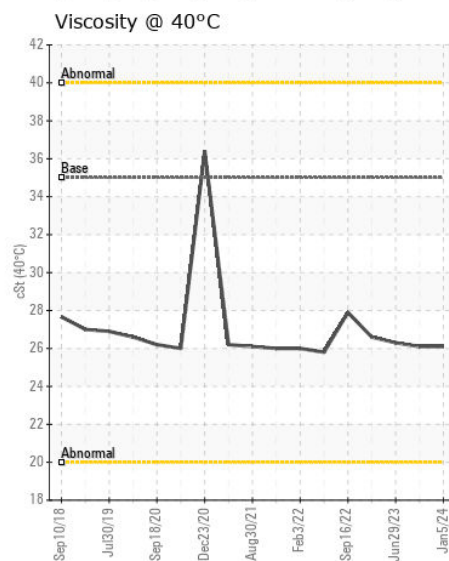
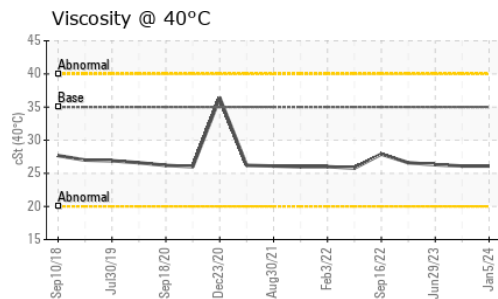
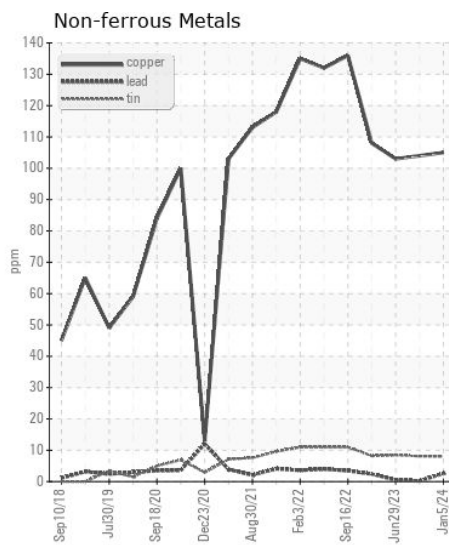
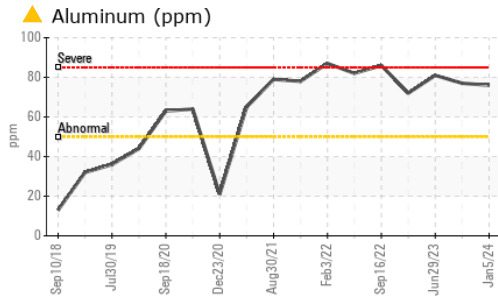
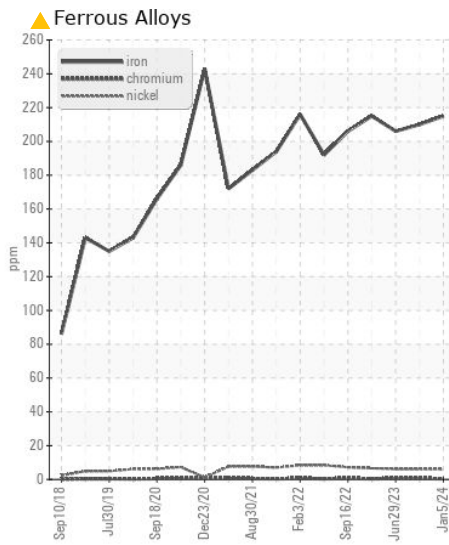
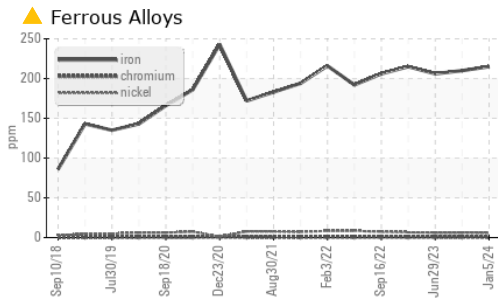
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	12	11	11
Potassium	ppm	ASTM D5185m	>20	2	0	<1
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		8	8	7
Boron	ppm	ASTM D5185m		111	114	139
Barium	ppm	ASTM D5185m		<1	2	1
Molybdenum	ppm	ASTM D5185m		8	7	10
Manganese	ppm	ASTM D5185m		33	34	34
Magnesium	ppm	ASTM D5185m		<1	2	<1
Calcium	ppm	ASTM D5185m		144	151	162
Phosphorus	ppm	ASTM D5185m		291	266	313
Zinc	ppm	ASTM D5185m		6	4	<1
Sulfur	ppm	ASTM D5185m		1391	1424	1892
Visc @ 40°C	cSt	ASTM D445	35.0	26.1	26.1	26.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ARI0007591 **Received** : 30 Jan 2024
Lab Number : 06075218 **Diagnosed** : 01 Feb 2024
Unique Number : 10857309 **Diagnostician** : Don Baldridge
Test Package : CONST

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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)