



WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**FORD F250 V68**  
Component  
**Transmission**  
Fluid  
**ATF (--- GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206148</b>	JR0198932	JR0178775
Sample Date		Client Info		<b>16 Apr 2024</b>	01 Feb 2024	08 Nov 2023
Machine Age	mls	Client Info		<b>342742</b>	337036	331494
Oil Age	mls	Client Info		<b>22143</b>	16457	10915
Filter Age	mls	Client Info		<b>22143</b>	16457	10915
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

**WEAR**

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

PQ		ASTM D8184		<b>110</b>	101	74
Iron	ppm	ASTM D5185m	>200	<b>▲ 259</b>	▲ 241	182
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>2</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>7</b>	5	8
Lead	ppm	ASTM D5185m	>50	<b>8</b>	7	7
Copper	ppm	ASTM D5185m	>200	<b>152</b>	142	129
Tin	ppm	ASTM D5185m	>10	<b>6</b>	6	5
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

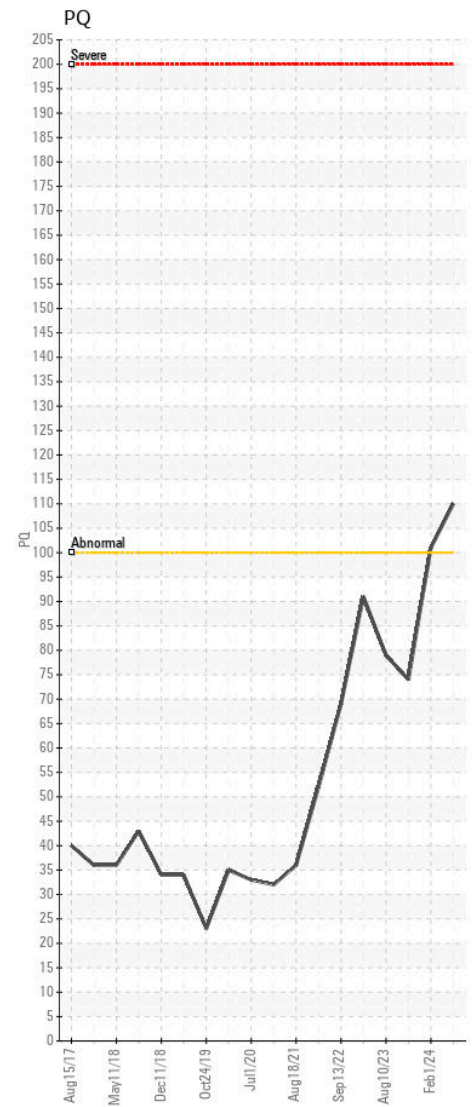
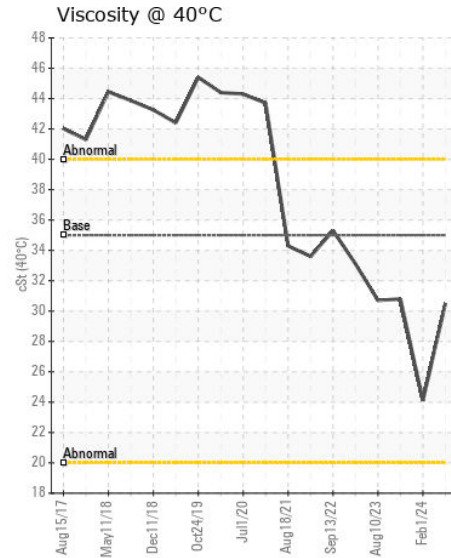
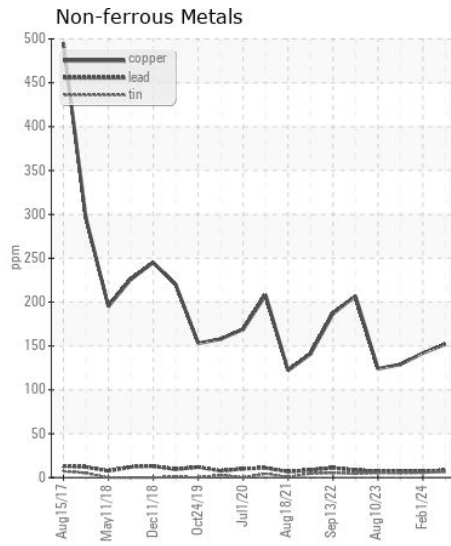
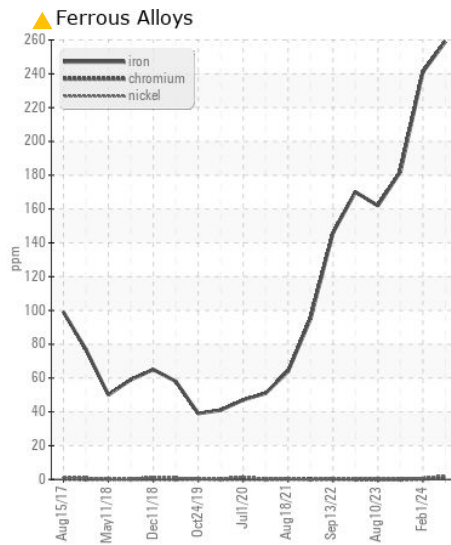
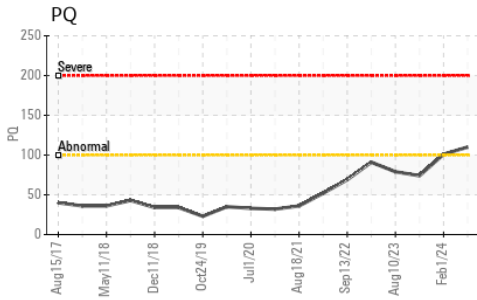
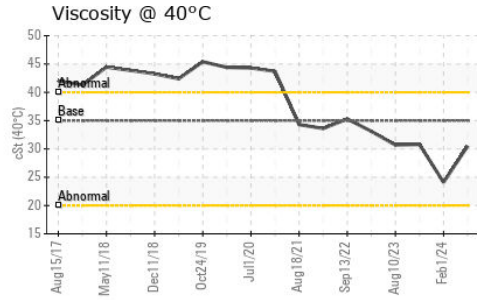
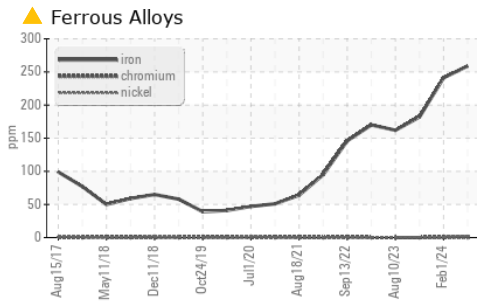
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>50	<b>10</b>	7	7
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	2	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>3</b>	2	5
Boron	ppm	ASTM D5185m		<b>65</b>	62	75
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>8</b>	4	4
Calcium	ppm	ASTM D5185m		<b>1190</b>	1098	1127
Phosphorus	ppm	ASTM D5185m		<b>577</b>	519	530
Zinc	ppm	ASTM D5185m		<b>411</b>	420	409
Sulfur	ppm	ASTM D5185m		<b>2614</b>	2059	2254
Visc @ 40°C	cSt	ASTM D445	35.0	<b>30.5</b>	24.1	30.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206148 **Received** : 24 Apr 2024  
**Lab Number** : 06159867 **Tested** : 25 Apr 2024  
**Unique Number** : 10995290 **Diagnosed** : 26 Apr 2024 - Sean Felton  
**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)

**MATTHEWS CONSTRUCTION**  
 127 GRAYSON RD  
 ROCK HILL, SC  
 US 29732  
 Contact: Tad Clinton  
 tclinton@matthewsconstructionco.com  
 T: (803)207-5607  
 F: