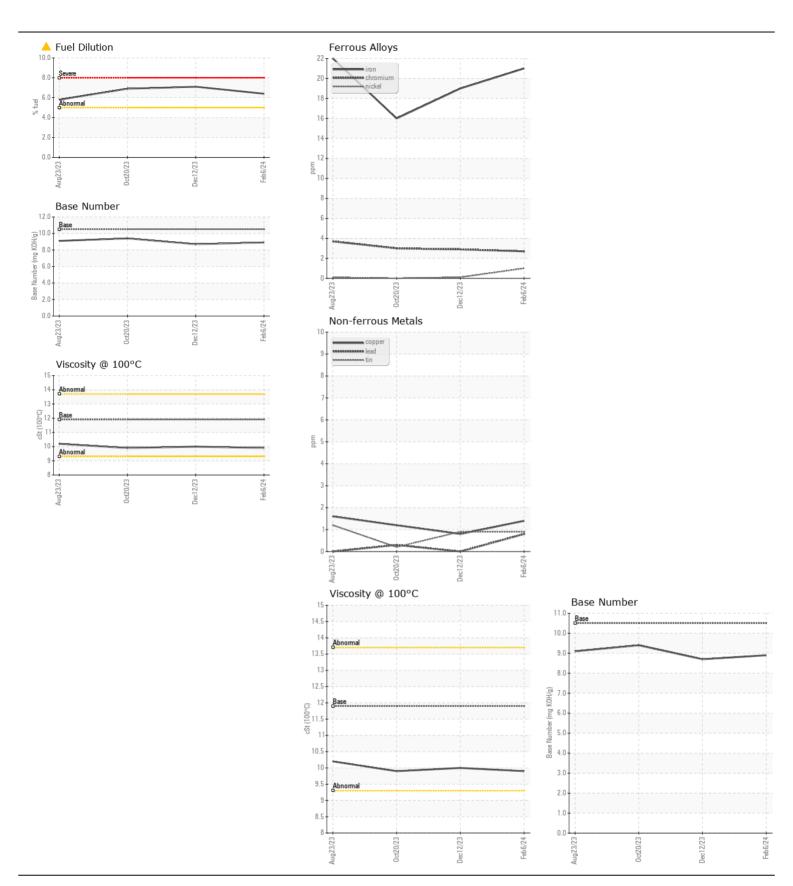


**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL ABNORMAL NORMAL** 

## FORD F350 1087 (S/N 1FT8W3BT5NEF53120)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TLY0002259	,	TLY000206
The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Date		Client Info		06 Feb 2024	12 Dec 2023	20 Oct 202
	Machine Age	hrs	Client Info		62424	52353	44483
	Oil Age	hrs	Client Info		52353	44483	10000
	Filter Age	hrs	Client Info		52353	44483	10000
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>100	21	19	16
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	3	3	3
	Nickel	ppm	ASTM D5185m	>2	1	<1	0
	Titanium	ppm	ASTM D5185m	>2	<1	0	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	3
	Lead	ppm	ASTM D5185m		<1	0	<1
	Copper	ppm	ASTM D5185m		1	<1	1
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	9	5	5
CONTAININATION	Potassium	ppm	ASTM D5185m		1	<1	0
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Fuel	%	ASTM D3524		<b>△</b> 6.4	<u> </u>	<b>△</b> 6.9
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.6	0.5	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	8.9	8.3	8.2
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	20.9	21.0
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	2	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		17	31	26
oil. The oil is no longer serviceable due to the presence of contaminants.	Barium	ppm	ASTM D5185m		13	0	0
	Molybdenum	ppm	ASTM D5185m		50	47	46
	Manganese	ppm	ASTM D5185m		1	<1	<1
	Magnesium	ppm	ASTM D5185m		631	471	504
	Calcium	ppm	ASTM D5185m		1260	1417	1376
	Phosphorus	ppm	ASTM D5185m		825	743	699
	Zinc	ppm	ASTM D5185m		978	858	881
	L'i illeria	ppm	ASTM D5185m		2954	2744	2588
	Sulfur			0.5			
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896		18.5 8.9	19.0 8.7	18.5 9.4







Laboratory

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No.

: TLY0002259 Lab Number : 06086571 Unique Number : 10874016

**Tested** 

: 14 Feb 2024 : 14 Feb 2024 - Wes Davis Diagnosed

Received

: 12 Feb 2024

Test Package : CONST ( Additional Tests: PercentFuel, TBN ) 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)

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