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

**OIL ANALYSIS REPORT** 

Machine Id

## FORD FORD F-150

Component
Gasoline Engine

TRC PRO-SPEC SYNTHETIC 5W30 (8 OTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06219931		
	Sample Date		Client Info		29 May 2024		
	Machine Age	mls	Client Info		105567		
	Oil Age	mls	Client Info		12800		
	Filter Age	mls	Client Info		12800		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	>150	14		
VEAIT	Chromium	ppm	ASTM D5185m		<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m	70	<1		
	Silver	ppm	ASTM D5185m	>2	<1		
	Aluminum	ppm	ASTM D5185m		6		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m	710	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m		12		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		3		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844		0.1		
	Nitration	Abs/cm	*ASTM D7624		16.5		
	Sulfation	Abs/.1mm	*ASTM D7415		31.1		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>400	8		
	Boron	ppm	ASTM D5185m		<1		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m	400	0		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m	600	24		
	Calcium	ppm	ASTM D5185m		5024		
	Phosphorus	ppm	ASTM D5185m	800	1116		
	Zinc	ppm	ASTM D5185m	900	1346		
	Sulfur	ppm	ASTM D5185m		5244		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	23.4		
	Base Number (BN)				10.04		
		0 9					





Certificate L2367

Laboratory

Sample No.

: TR06219931 Lab Number : 06219931 Unique Number : 11098128 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024 **Tested** : 26 Jun 2024

Diagnosed : 26 Jun 2024 - Sean Felton **CALEB BROWN** 502 12TH AVE CANYON, TX

US Contact: MIKE LEWIS

To discuss this sample report, contact Customer Service at 1-800-827-0711.

\* - 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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