WEAR CONTAMINATION **FLUID CONDITION**

NORMAL **MARGINAL ATTENTION**

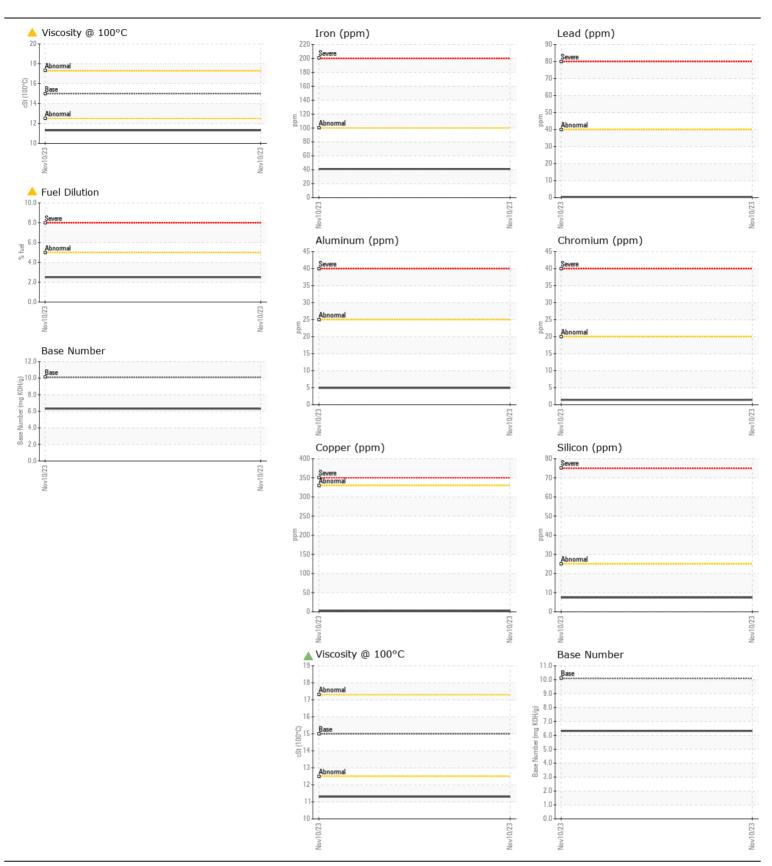
OIL ANALYSIS REPORT

Machine Id FORD T-4

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TECOWINIENDATION	Sample Number	JOIVI	Client Info	LITTIUAUII	TR06055548		
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		10 Nov 2023		
	Machine Age	mlo	Client Info		220400		
	•	mls					
	Oil Age	mls	Client Info		0		
	Filter Age	mls	Client Info		Ohammad		
	Oil Changed				Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ATTENTION		
VEAR	Iron	ppm	ASTM D5185m	>100	41		
	Chromium	ppm	ASTM D5185m		1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum		ASTM D5185m		5		
	Lead	ppm	ASTM D5185m		ี <1		
	Copper	ppm	ASTM D5185m		3		
	Tin	ppm	ASTM D5185m		ა 1		
	Vanadium	ppm	ASTM D5185m	>10	0		
		ppm	*Visual	NONE	-		
	White Metal	scalar		NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	7		
Light fuel dilution occurring.	Potassium	ppm	ASTM D5185m	>20	0		
	Fuel	%	ASTM D3524		2.5		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.6		
	Nitration	Abs/cm	*ASTM D7624	>20	14.1		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	29.0		
	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		*Visual	>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		4		
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Boron	ppm	ASTM D5185m		19		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		42		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		551		
	Calcium	ppm	ASTM D5185m		1354		
	Phosphorus	ppm	ASTM D5185m		953		
	Zinc	ppm	ASTM D5185m		1179		
	Sulfur	ppm	ASTM D5185m		2569		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	36.2		
	Base Number (BN)		ASTM D2896		6.31		
		9					

Contact/Location: RON CUNNINGHAM - ELLDUN





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: TR06055548 : 06055548 : 10821497

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 09 Jan 2024 Diagnosed : 11 Jan 2024

Diagnostician : Jonathan Hester **Test Package**: MOB 2 (Additional Tests: FuelDilution, PercentFuel)

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) **ELLMANS GARAGE**

4 E DOUGHTY ST DUNKIRK, NY US 14048

Contact: RON CUNNINGHAM

T: F: