OIL ANALYSIS REPORT

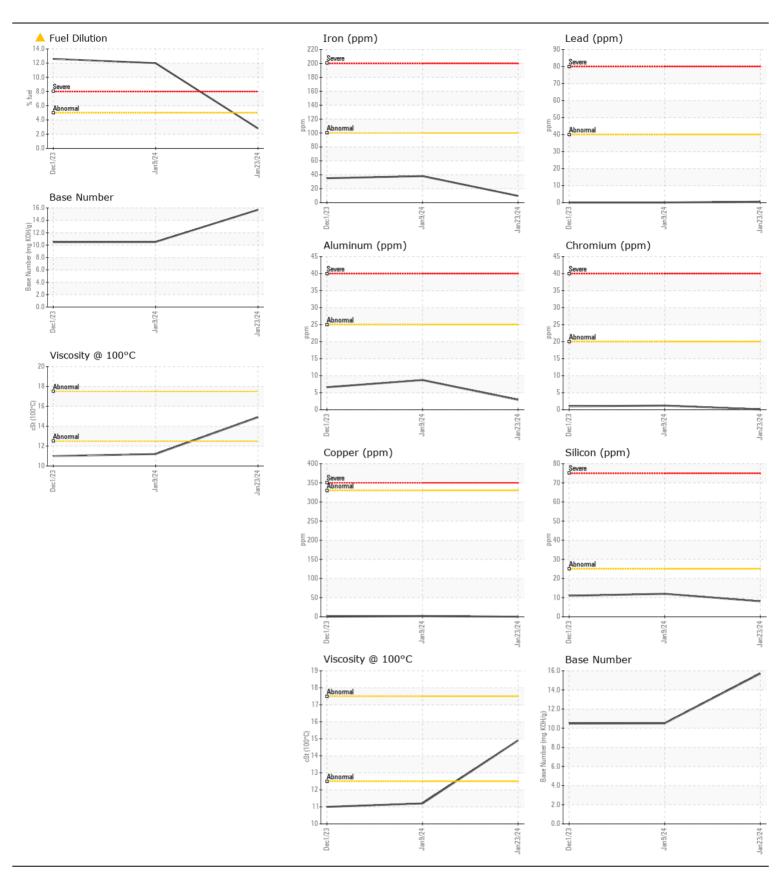
WEAR CONTAMINATION FLUID CONDITION

NORMAL MARGINAL NORMAL

FORD F350 C14 (S/N 1FD8X3BTVCEB75527)

Component Diesel Engine

TRC MOLY XL PRO-SPEC IV XP 15W40 (GA	AL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.	Sample Number		Client Info		TR06086732	TR06062198	TR06038756
	Sample Date		Client Info		23 Jan 2024	09 Jan 2024	01 Dec 2023
	Machine Age	mls	Client Info		214744	214608	214141
	Oil Age	mls	Client Info		136	467	5000
	Filter Age	mls	Client Info		136	467	5000
	Oil Changed		Client Info		Changed	Changed	Not Changd
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				MARGINAL	SEVERE	SEVERE
WEAR	Iron	ppm	ASTM D5185m	\100	10	38	35
WEAIT	Chromium	ppm	ASTM D5185m		<1	1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		3	9	7
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m		0	2	<1
	Tin	ppm	ASTM D5185m		2	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		8	12	11
Light fuel dilution occurring. No other contaminants were detected in the oil.	Potassium	ppm	ASTM D5185m		1	0	0
	Fuel	%	ASTM D3524		<u>^</u> 2.8	12.0	12.6
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	0/	WC Method	0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.1	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	7.7	10.7	10.5
	Sulfation Silt	Abs/.1mm	*ASTM D7415		16.5	21.2	21.0
	Debris	scalar	*Visual *Visual	NONE	NONE NONE	NONE NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
		scalar scalar	*Visual	NORML	NORML	NORML	NORML
	Appearance Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
	Linuisined Water		Visuai				INLO
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	0	2
The PN regult indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		1	3	11
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		121	103	107
	Manganese	ppm	ASTM D5185m		0	1	<1
	Magnesium	ppm	ASTM D5185m		28	77	84
	Calcium	ppm	ASTM D5185m		4098	3341	3414
	Phosphorus	ppm	ASTM D5185m		874	727	690
	Zinc	ppm	ASTM D5185m		1060	871	860
	Sulfur	ppm	ASTM D5185m		4292	3322	3606
	Oxidation	Abs/.1mm	*ASTM D7414	>25	9.6	15.0	14.9
	Base Number (BN)				15.70	10.51	10.49
	Visc @ 100°C	cSt	ASTM D445		14.9	<u> </u>	<u> </u>





Laboratory Sample No.

Lab Number : 06086732

: TR06086732

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Unique Number : 10874177 Diagnosed

: 14 Feb 2024 - Wes Davis Test Package: MOB 2 (Additional Tests: PercentFuel)

: 12 Feb 2024

: 14 Feb 2024

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.

RUNDELL INC 2465 STATE HWY 38

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T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: