

Machine Id FORD 194 Component Diesel Engine Fluid TRC MOLY XL PRO-SPEC IV 15W40 (16 QTS)

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR06158492	TR05916266	TR05767351
We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Date		Client Info		28 Sep 2023	12 May 2023	27 Dec 2022
	Machine Age	mls	Client Info		184282	174429	164099
	Oil Age	mls	Client Info		5000	5000	5000
	Filter Age	mls	Client Info		5000	5000	5000
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				SEVERE	SEVERE	SEVERE
WEAR	Iron	ppm	ASTM D5185m	>100	61	48	62
	Chromium	ppm	ASTM D5185m	>20	2	1	2
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		2	<1	2
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m		7	7	0 10
	Lead	ppm	ASTM D5185m		2	3	13
	Copper	ppm	ASTM D5185m		2	2	8
	Tin	ppm	ASTM D5185m		-	<1	6
	Vanadium	ppm	ASTM D5185m	210	-' <1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal		*Visual	NONE	NONE	NONE	NONE
		scalar	visuai	NONE		NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	12	14	3 7
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Potassium	ppm	ASTM D5185m	>20	4	3	3
	Fuel	%	ASTM D3524	>5	8 .6	1 9.8	1 5.7
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	2.3	1.6	0.9
	Nitration	Abs/cm	*ASTM D7624	>20	13.7	13.8	11.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	25.1	23.9	20.4
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	4	40
	Boron	ppm	ASTM D5185m		0	0	0
The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		107	89	106
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		13	17	24
	Calcium	ppm	ASTM D5185m	1300	3640	3238	3665
	Phosphorus	ppm	ASTM D5185m		836	671	719
	rinooprioruo	PPIII					
	Zinc	nnm	ASTM D5185m	1300	922	817	932
	Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m	1300	922 3917	817 3774	932 4011

Oxidation

Visc @ 100°C cSt

17.3

9.37

11.1

13.7

10.9

10.78

15.6

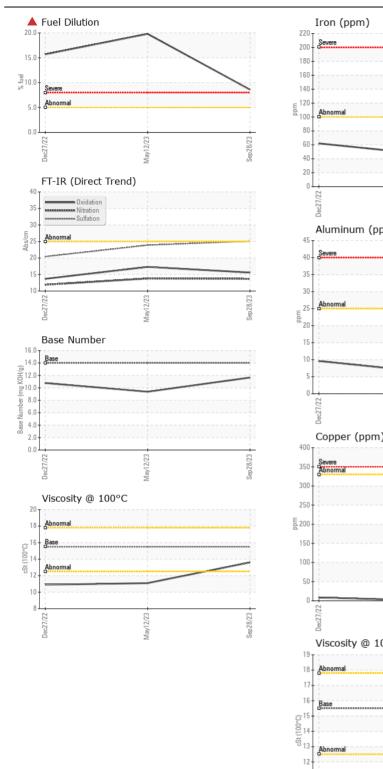
11.66

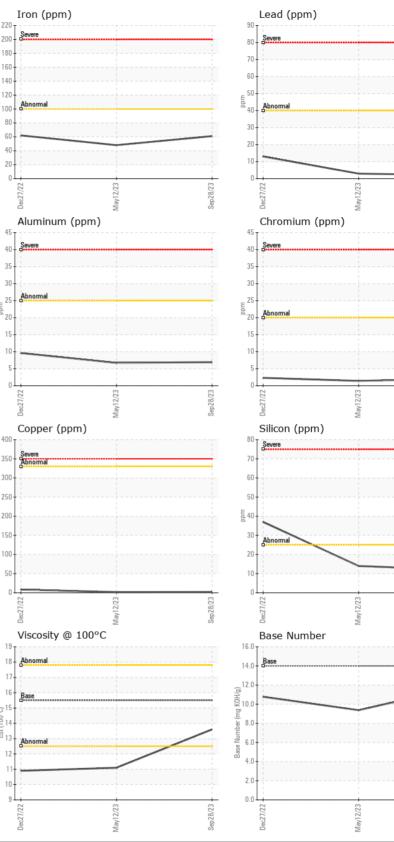
13.6

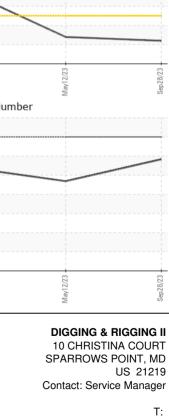
Abs/.1mm *ASTM D7414 >25

ASTM D445 15.5

Base Number (BN) mg KOH/g ASTM D2896 14









Unique Number : 10993915 Diagnosed : 25 Apr 2024 - Wes Davis Test Package : MOB 2 (Additional Tests: PercentFuel) Certificate L2367 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)

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

Received

Tested

: 23 Apr 2024

: 25 Apr 2024

T: F:

Laboratory

Sample No.

Lab Number : 06158492

: TR06158492

Contact/Location: Service Manager - DIGSPA Page 2 of 2