

**OIL ANALYSIS REPORT** 

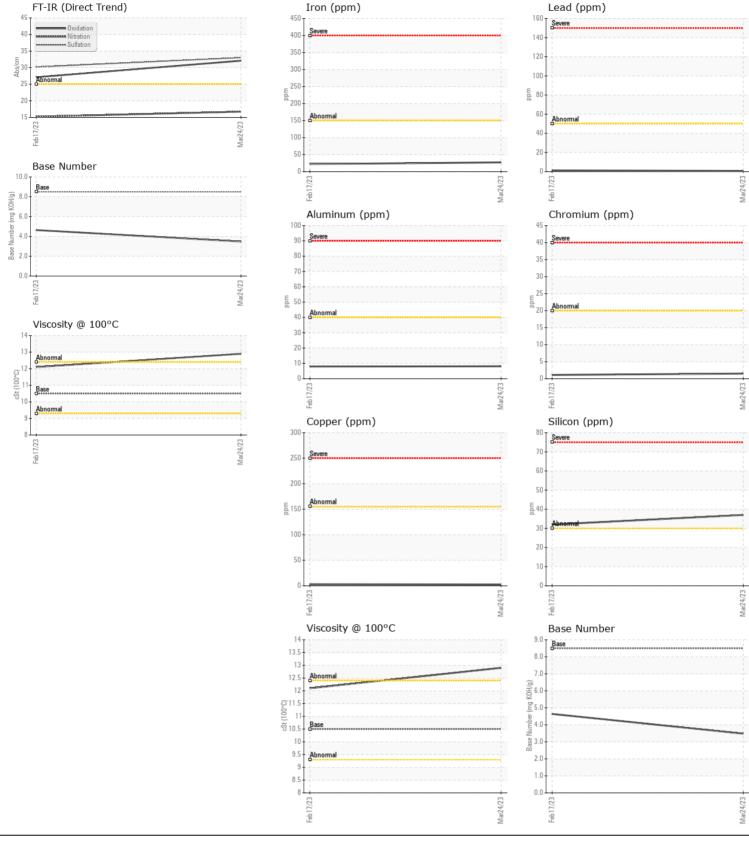
## Machine Id FORD F350 FORD F350 Component Gasoline Engine Fluid TRC PRO-SPEC SYNTHETIC 5W30 (--- QTS)

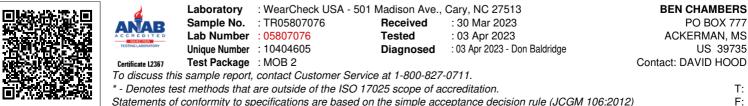
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR05807076	TR05778383	
	Sample Date		Client Info		24 Mar 2023	17 Feb 2023	
	Machine Age	mls	Client Info		35000	31000	
	Oil Age	mls	Client Info		20000	12000	
	Filter Age	mls	Client Info		20000	0	
	Oil Changed		Client Info		Changed	Not Changd	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>150	27	22	
	Chromium	ppm	ASTM D5185m	>20	2	1	
	Nickel	ppm	ASTM D5185m	>5	<1	1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>2	<1	0	
	Aluminum	ppm	ASTM D5185m	>40	8	8	
	Lead	ppm	ASTM D5185m		<1	1	
	Copper	ppm	ASTM D5185m		3	3	
	Tin	ppm	ASTM D5185m		<1	<1	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>30	37	32	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		1	3	
	Fuel	lele	WC Method	>4.0	<1.0	<1.0	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844		0.1	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	16.7	15.2	
	Sulfation	Abs/.1mm	*ASTM D7415		33.0	30.2	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>400	5	5	
	Boron	ppm	ASTM D5185m		10	36	
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	3	
	Molybdenum	ppm	ASTM D5185m	400	1246	1291	
	Manganese	ppm	ASTM D5185m		2	1	
	Magnesium	ppm	ASTM D5185m	600	466	469	
	Calcium	ppm	ASTM D5185m	1500	1452	1383	
	Phosphorus	ppm	ASTM D5185m		634	674	
	Zinc		ASTM D5185m	900	822	811	
	Sulfur	ppm	ASTM D5185m	300		3568	
		ppm		- OF	3141		
	Oxidation	Abs/.1mm mg KOH/g	*ASTM D7414		32.1	27.1	
	Base Number (BN)	nig KUH/g	ASTM D2896	0.0	3.48	4.64	

Visc @ 100°C cSt ASTM D445 10.5

12.1

12.9





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

Contact/Location: DAVID HOOD - CHAACKTR Page 2 of 2