

PROBLEM SUMMARY

Sample Rating Trend

FUEL

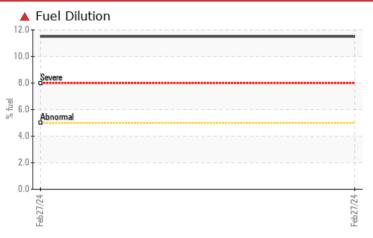
Machine Id

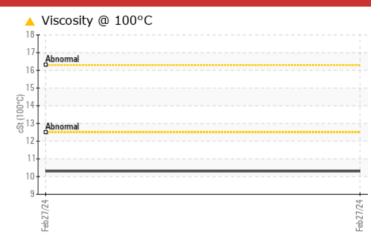
FORD 1FD0W5HT0MED29151

Diesel Engine

MOTORCRAFT 5W40 (--- QTS)







RECOMMENDATION

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.

PROBLEMATION	C TEST R	ESULTS				
Sample Status				SEVERE	 	
Fuel	%	ASTM D3524	>5	11.5	 	
Visc @ 100°C	cSt	ASTM D445		▲ 10.3	 	

Customer Id: SIDMAN **Sample No.:** WC0917843 Lab Number: 06147116 Test Package: CONST

To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

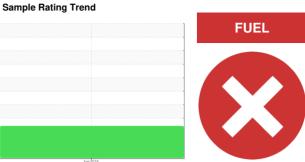
To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Resample			?	We recommend an early resample to monitor this condition.	
Check Fuel/injector System			?	We advise that you check the fuel injection system.	

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT



Machine Id

FORD 1FD0W5HT0MED29151

Diesel Engine

MOTORCRAFT 5W40 (--- QTS)

DIAGNOSIS

Recommendation

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.

Metal levels are typical for a new component breaking in.

▲ Contamination

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Fluid Condition

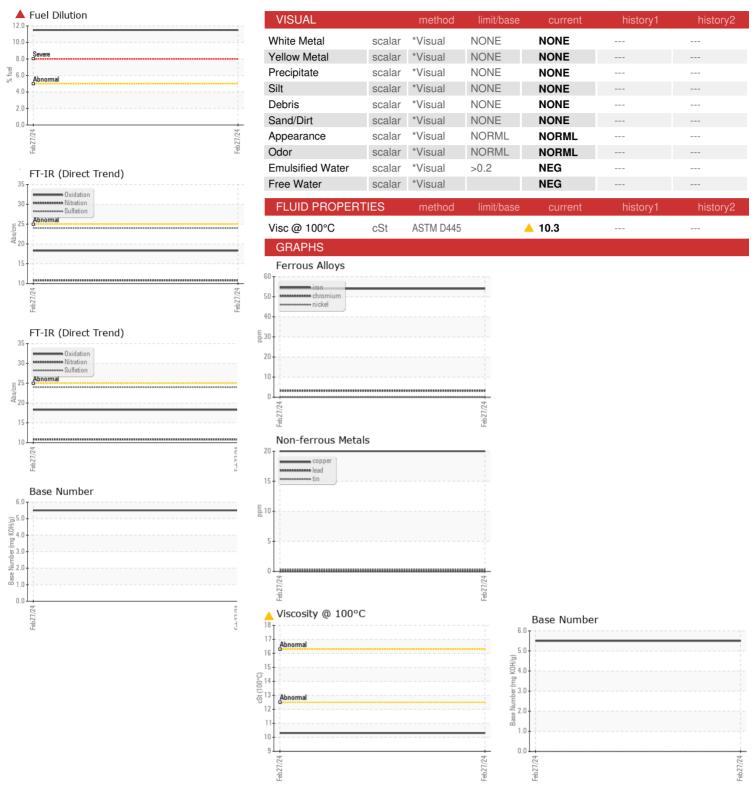
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

				Feb 2024		
SAMPLE INFORM	AATION	method	limit/base	ourrost.	history	hiotom ()
	WATION		IIIIIIVDase	current	history1	history2
Sample Number		Client Info		WC0917843		
Sample Date		Client Info		27 Feb 2024		
Machine Age	mls	Client Info		6605		
Oil Age	mls	Client Info		330		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	54		
Chromium	ppm	ASTM D5185m	>20	3		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	2		
Aluminum	ppm	ASTM D5185m	>25	9		
_ead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	20		
Γin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		41		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		3		
Magnesium	ppm	ASTM D5185m		664		
Calcium	ppm	ASTM D5185m		1206		
Phosphorus	ppm	ASTM D5185m		883		
Zinc	ppm	ASTM D5185m		1031		
Sulfur	ppm	ASTM D5185m		3716		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	15		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	3		
Fuel						
1 401	%	ASTM D3524	>5	11.5		
INFRA-RED	%	ASTM D3524 method	>5 limit/base	current	history1	history2
INFRA-RED	%			current		
INFRA-RED Soot %		method *ASTM D7844	limit/base	current 0.3	history1	history2
INFRA-RED Soot % Nitration	%	method	limit/base	current	history1	history2
INFRA-RED Soot % Nitration	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624	limit/base >3 >20	current 0.3 10.8	history1	history2
INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	limit/base >3 >20 >30 limit/base	current 0.3 10.8 24.0 current	history1	history2
INFRA-RED Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base >3 >20 >30	current 0.3 10.8 24.0	history1	history2

Contact/Location: K GOCHENOUR - SIDMAN



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0917843

Lab Number : 06147116 Unique Number : 10977194

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

Received : 12 Apr 2024 **Tested** : 17 Apr 2024

Diagnosed : 17 Apr 2024 - Wes Davis Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

SIDDONS-MARTIN EMERGENCY GROUP

12717 BELTEX DR MANOR, TX US 78653

Contact: K GOCHENOUR kgochenour@siddons-martin.com

T: (800)334-0737

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