

# **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

#### Machine Id

FORD 27270-010

Component Gasoline Engine Fluid

{not provided} (--- GAL)

#### DIAGNOSIS

### Recommendation

No corrective action is recommended at this time.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

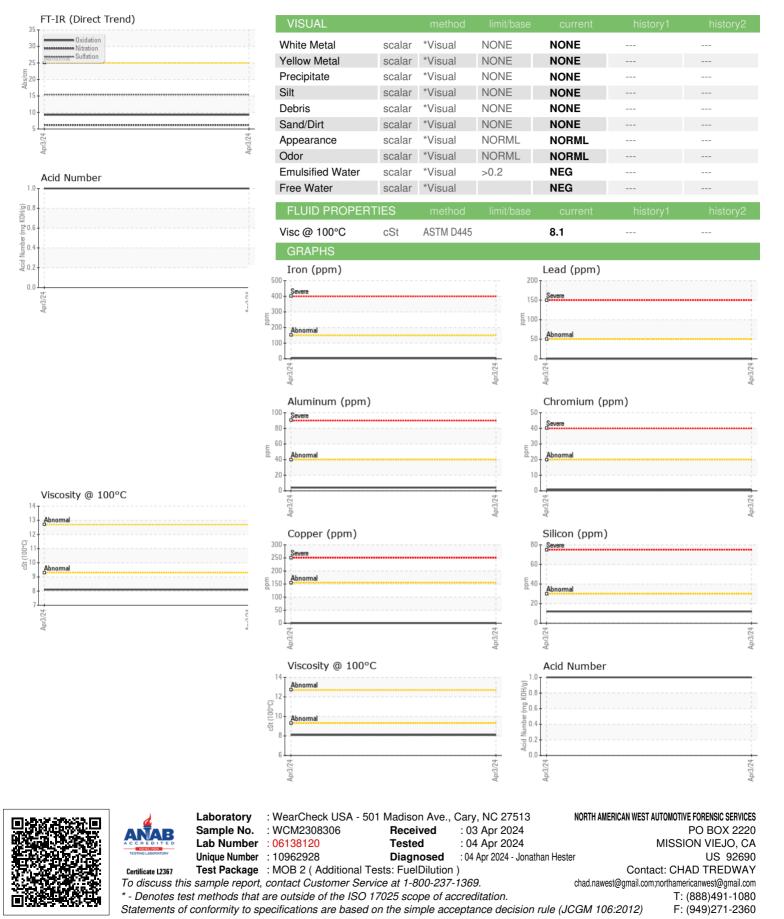
## Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCM2308306		
Sample Date		Client Info		03 Apr 2024		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
			11 1. 0			
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	5		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>40	4		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>155	<1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		98		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		247		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		451		
Calcium	ppm	ASTM D5185m		1255		
Phosphorus						
	ppm	ASTM D5185m		599		
Zinc	ppm ppm	ASTM D5185m ASTM D5185m				
Zinc Sulfur	ppm ppm			599		
-	ppm ppm	ASTM D5185m	limit/base	599 784		
Sulfur	ppm ppm	ASTM D5185m ASTM D5185m	limit/base	599 784 2060		
Sulfur CONTAMINANTS	ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m		599 784 2060 current	  history1	  history2
Sulfur CONTAMINANTS Silicon	ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m	>30	599 784 2060 current 12	  history1	  history2
Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m	>30 >400 >20	599 784 2060 current 12 4	  history1 	  history2 
Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m	>30 >400 >20	599 784 2060 current 12 4 3	  history1  	  history2  
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED	ppm ppm ppm ppm ppm %	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 Method	>30 >400 >20 >4.0	599 784 2060 current 12 4 3 <1.0 current	  history1    history1	 history2    history2
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot %	ppm ppm ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 Method *ASTM D7844	>30 >400 >20 >4.0 limit/base	599 784 2060 current 12 4 3 <1.0 current 0	  history1    history1 	 history2    history2
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm % % Abs/cm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 ASTM D3524 ASTM D7844 *ASTM D7844	>30 >400 >20 >4.0 limit/base >20	599 784 2060 <u>current</u> 12 4 3 <1.0 <u>current</u> 0 6.2	  history1    history1 history1	 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm % % Abs/tmm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 *ASTM D7844 *ASTM D7844 *ASTM D7624	>30 >400 >20 >4.0 <b>limit/base</b> >20 >30	599 784 2060 <u>current</u> 12 4 3 <1.0 <u>current</u> 0 6.2 15.4	  history1    history1  history1 	 history2    history2  history2
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	ppm ppm ppm ppm ppm % % Abs/cm Abs/cm Abs/1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 ASTM D3524 *ASTM D7844 *ASTM D7844 *ASTM D7624 *ASTM D7415	>30 >400 >20 >4.0 imit/base >20 >30	599 784 2060 current 12 4 3 <1.0 current 0 6.2 15.4 current	  history1    history1 history1	  history2    history2 
Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm % % Abs/tmm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 *ASTM D7844 *ASTM D7844 *ASTM D7624	>30 >400 >20 >4.0 <b>limit/base</b> >20 >30	599 784 2060 <u>current</u> 12 4 3 <1.0 <u>current</u> 0 6.2 15.4	  history1    history1  history1 	 history2    history2  history2



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Contact/Location: CHAD TREDWAY - NORLAD