

Machine Id
FORD 328000
Component
Gasoline Engine
Fluid
SAE 5W20 (--- LTR)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0056287	---	---
Sample Date		Client Info		29 Aug 2023	---	---
Machine Age	kms	Client Info		189258	---	---
Oil Age	kms	Client Info		0	---	---
Filter Age	kms	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

Silver ppm levels are abnormal.

Iron	ppm	ASTM D5185(m)	>150	9	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)	>2	▲ 2	---	---
Aluminum	ppm	ASTM D5185(m)	>40	2	---	---
Lead	ppm	ASTM D5185(m)	>50	0	---	---
Copper	ppm	ASTM D5185(m)	>155	<1	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

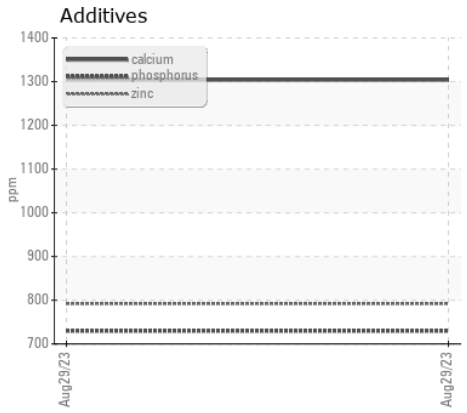
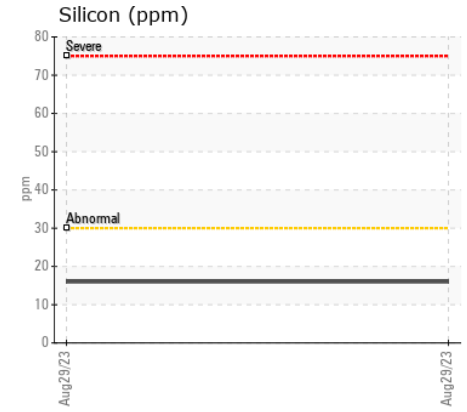
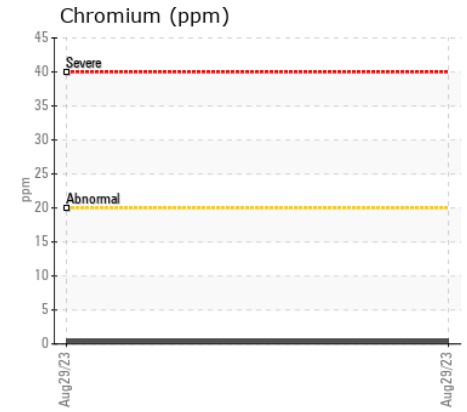
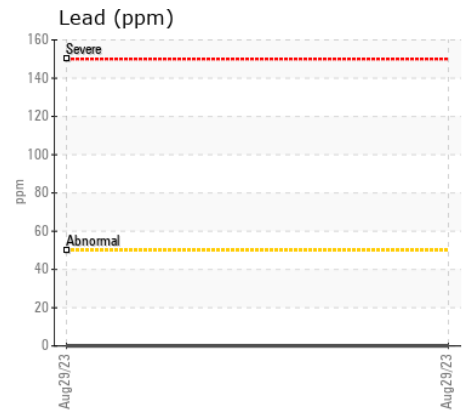
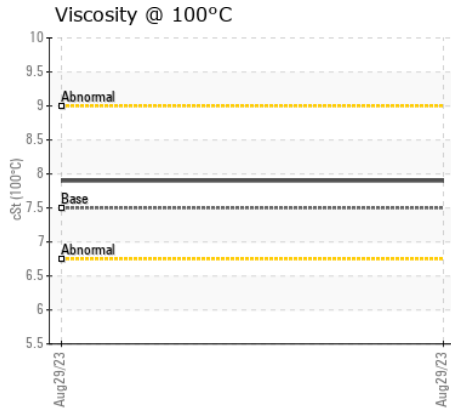
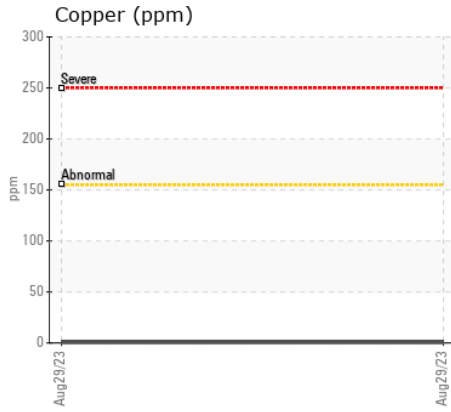
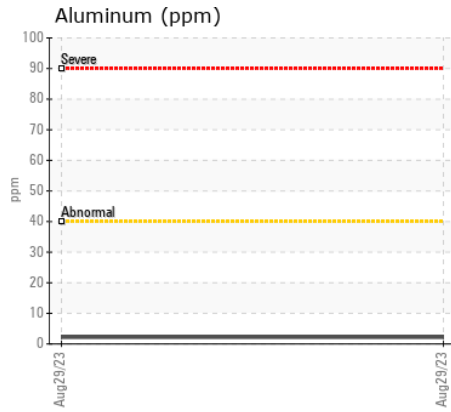
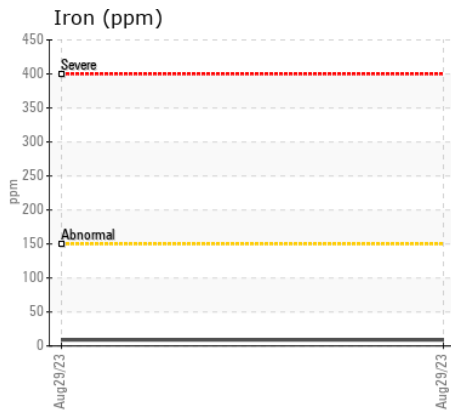
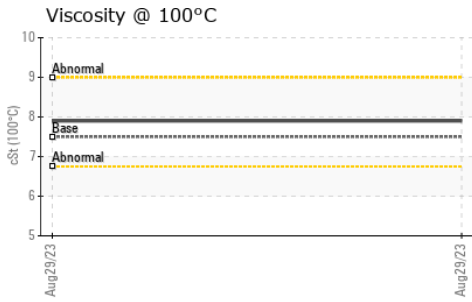
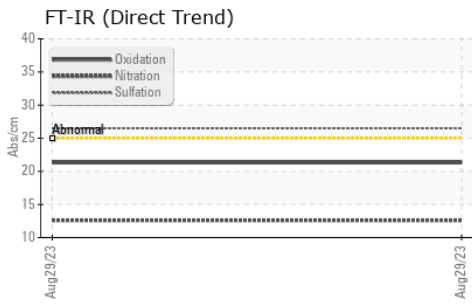
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	16	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	12.6	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.5	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		3	---	---
Boron	ppm	ASTM D5185(m)		36	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		77	---	---
Manganese	ppm	ASTM D5185(m)		1	---	---
Magnesium	ppm	ASTM D5185(m)		583	---	---
Calcium	ppm	ASTM D5185(m)		1304	---	---
Phosphorus	ppm	ASTM D5185(m)		730	---	---
Zinc	ppm	ASTM D5185(m)		792	---	---
Sulfur	ppm	ASTM D5185(m)		2423	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	21.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.5	7.9	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0056287
Lab Number : 02582083
Unique Number : 5643148
Test Package : MOB 1
Received : 13 Sep 2023
Tested : 14 Sep 2023
Diagnosed : 14 Sep 2023 - Kevin Marson

GFL Environmental - 255 - Blind River
 9 Industrial Park Road East
 Blind River, ON
 CA P0R 1B0
 Contact: GFL Tech
 wcgfldemo@gmail.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

T:
F: