



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
FORD LTR1024

Component
Diesel Engine

Fluid
SAE 0W20 (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

▲ Wear

Light concentration of visible metal present.

▲ Contamination

There is a trace of moisture present in the oil. Free water present. Test for glycol is negative.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0750481	---	---
Sample Date	Client Info		17 Oct 2023	---	---
Machine Age	kms	Client Info	375000	---	---
Oil Age	kms	Client Info	5000	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	8	---
Chromium	ppm	ASTM D5185(m)	>20	0	---
Nickel	ppm	ASTM D5185(m)	>2	0	---
Titanium	ppm	ASTM D5185(m)	>2	0	---
Silver	ppm	ASTM D5185(m)	>2	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	5	---
Lead	ppm	ASTM D5185(m)	>40	0	---
Copper	ppm	ASTM D5185(m)	>330	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	---
Antimony	ppm	ASTM D5185(m)		0	---
Vanadium	ppm	ASTM D5185(m)		0	---
Beryllium	ppm	ASTM D5185(m)		0	---
Cadmium	ppm	ASTM D5185(m)		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		120	---
Barium	ppm	ASTM D5185(m)		<1	---
Molybdenum	ppm	ASTM D5185(m)		136	---
Manganese	ppm	ASTM D5185(m)		0	---
Magnesium	ppm	ASTM D5185(m)		509	---
Calcium	ppm	ASTM D5185(m)		1038	---
Phosphorus	ppm	ASTM D5185(m)		625	---
Zinc	ppm	ASTM D5185(m)		767	---
Sulfur	ppm	ASTM D5185(m)		1908	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

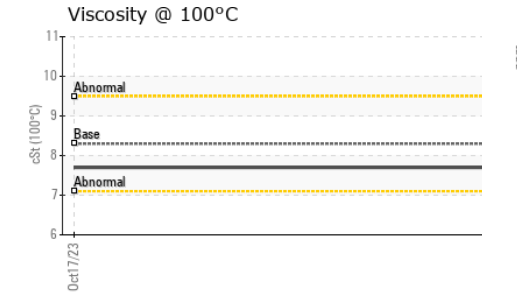
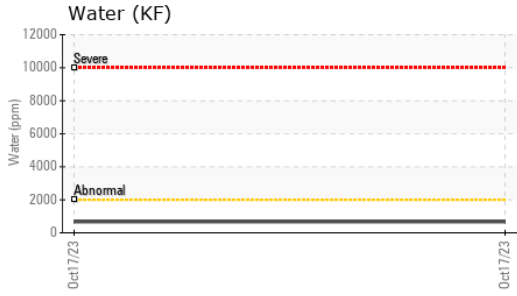
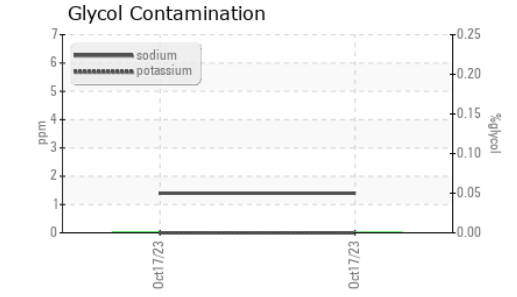
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	10	---
Sodium	ppm	ASTM D5185(m)		1	---
Potassium	ppm	ASTM D5185(m)	>20	0	---
Water	%	ASTM D6304*	>0.2	0.067	---
ppm Water	ppm	ASTM D6304*	>2000	672.7	---
Glycol	%	ASTM D7922*		0.0	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	---
Nitration	Abs/cm	ASTM D7624*	>20	4.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	14.1	---



OIL ANALYSIS REPORT

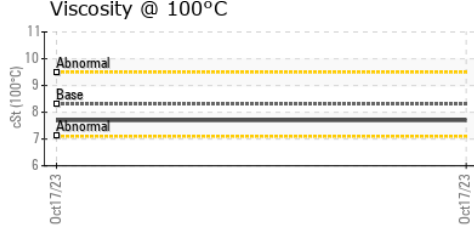
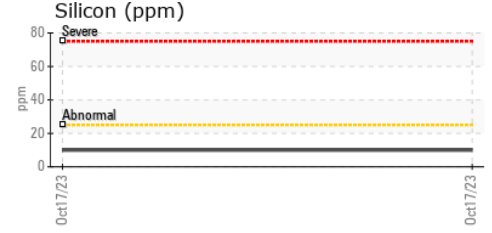
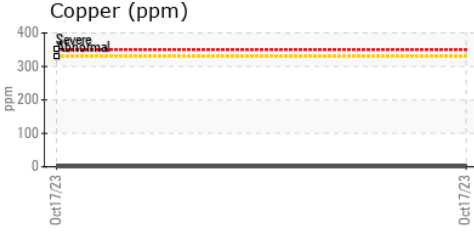
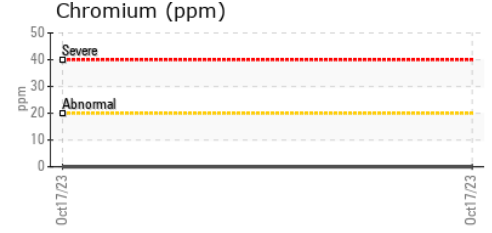
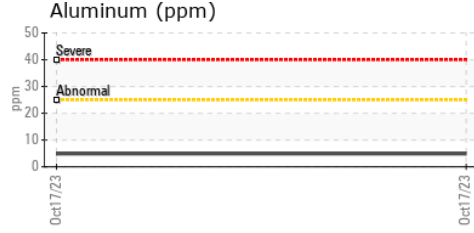
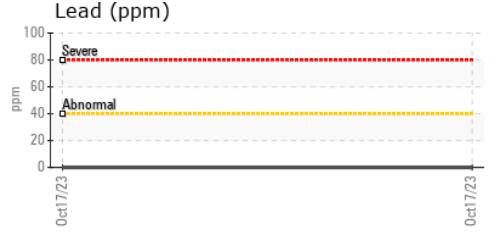
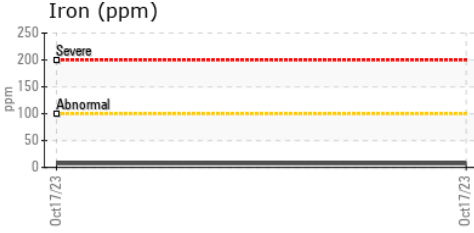


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	7.8	---	---

	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	▲ LIGHT	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	.2%	---
Free Water	scalar	Visual*		▲ 1%	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	8.3	7.7	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0750481 **Received** : 26 Oct 2023 1350 Government Rd. W, MACASSA COMPLEX
Lab Number : **02592018** **Diagnosed** : 01 Nov 2023 Kirkland Lake, ON
Unique Number : 5669097 **Diagnostician** : Kevin Marson CA P2N 3J1
Test Package : MOB 1 (Additional Tests: BottomAnalysis, FILTERPATCH, Glycol, KF, Visual) **Contact:** Mike Campbell
 To discuss this sample report, contact Customer Service at 1-800-268-2131. mike.campbell@agnicoeagle.com
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (705)567-5208
 Validity of results and interpretation are based on the sample and information as supplied. F: (705)567-5221