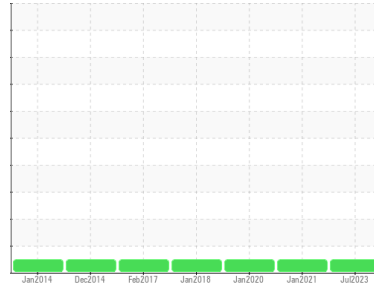




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**IVECO FIAT I0408**

Component  
**Diesel Engine**

Fluid  
**DIESEL ENGINE OIL SAE 15W40 (15 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a new component breaking in.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0764033</b>	WC0510705	WC0373388
Sample Date	Client Info		<b>04 Jul 2023</b>	05 Jan 2021	15 Jan 2020
Machine Age	hrs	Client Info	<b>440</b>	319	264
Oil Age	hrs	Client Info	<b>62</b>	107	51
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol	WC Method		<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	<b>3</b>	6	7
Chromium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185(m) >3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m) >20	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m) >40	<b>1</b>	2	2
Copper	ppm	ASTM D5185(m) >330	<b>7</b>	9	3
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	<1	<1
Antimony	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 250	<b>4</b>	5	7
Barium	ppm	ASTM D5185(m) 10	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m) 100	<b>5</b>	32	29
Manganese	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m) 450	<b>95</b>	594	582
Calcium	ppm	ASTM D5185(m) 3000	<b>2011</b>	1343	1423
Phosphorus	ppm	ASTM D5185(m) 1150	<b>904</b>	929	966
Zinc	ppm	ASTM D5185(m) 1350	<b>964</b>	1147	1155
Sulfur	ppm	ASTM D5185(m) 4250	<b>2913</b>	3020	2990
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>2</b>	2	2
Sodium	ppm	ASTM D5185(m) >158	<b>2</b>	4	3
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	1	2

## INFRA-RED

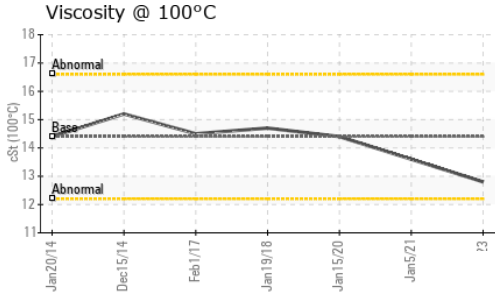
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624* >20	<b>7.1</b>	7.5	8.0
Sulfation	Abs/.1mm	ASTM D7415* >30	<b>17.5</b>	17.5	20.7

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414* >25	<b>11.1</b>	15.5	15.1



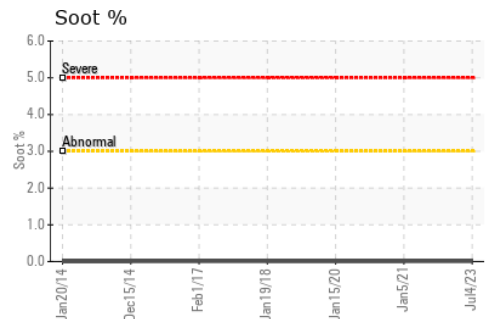
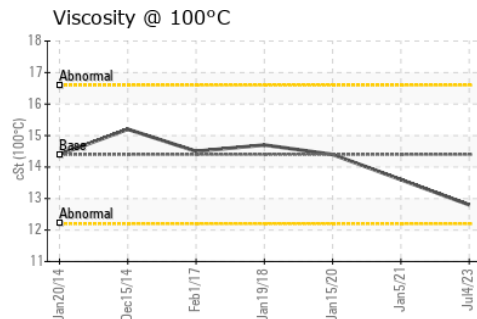
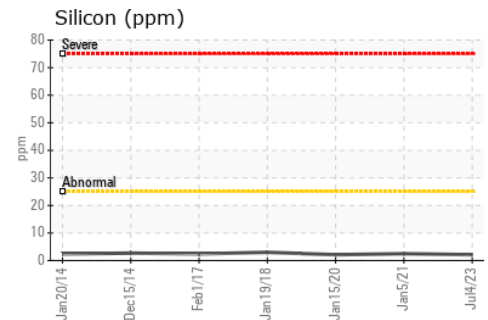
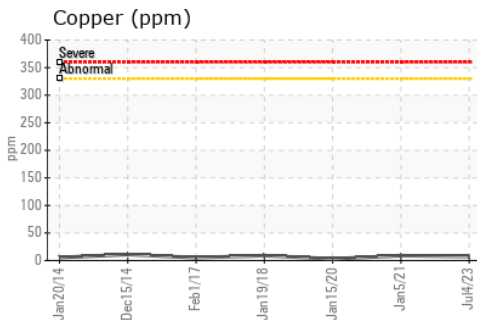
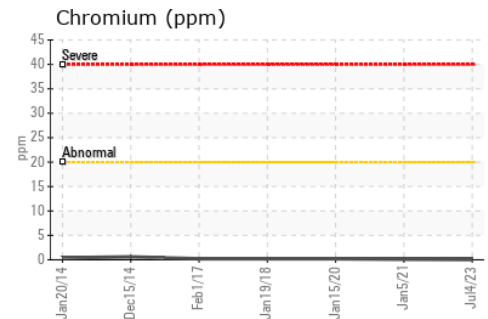
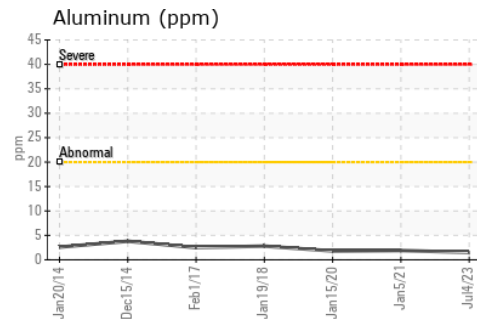
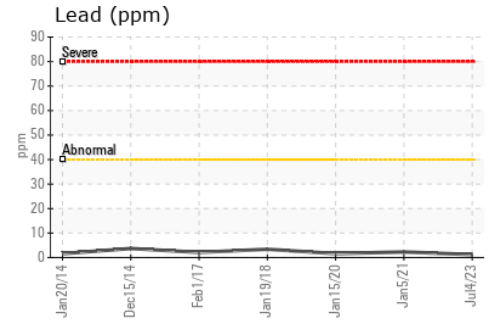
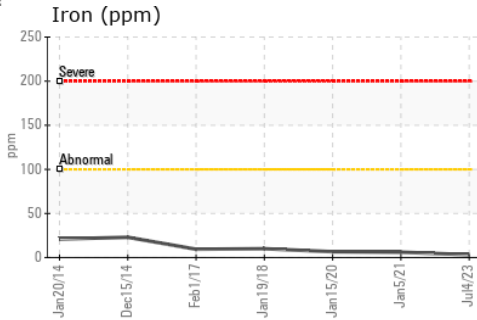
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	12.8	13.6

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0764033 **Received** : 05 Sep 2023  
**Lab Number** : 02580203 **Diagnosed** : 05 Sep 2023  
**Unique Number** : 5633263 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**GENCARE SERVICES LTD.**  
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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.