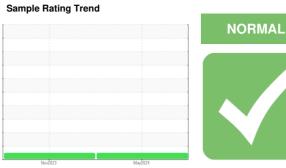


# **OIL ANALYSIS REPORT**

# ODT





Machine Id
931009
Component
Diesel Engine
Fluid

**DIESEL ENGINE OIL SAE 15W40 (--- GAL)** 

# 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

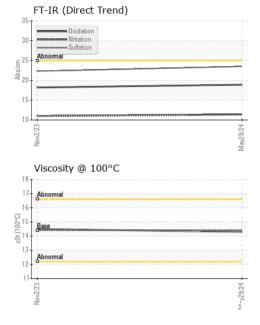
## Fluid Condition

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

AE 15W4U ( (	GAL)		Nov2023	May2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0119231	GFL0100357	
Sample Date		Client Info		29 May 2024	02 Nov 2023	
Machine Age	kms	Client Info		2828	1665	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAI	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>120	21	36	
Chromium	ppm	ASTM D5185(m)	>20	<1	2	
Nickel	ppm	ASTM D5185(m)	>5	<1	1	
Titanium	ppm	ASTM D5185(m)	>2	<1	1	
Silver	ppm	ASTM D5185(m)	>2	0	<1	
Aluminum	ppm	ASTM D5185(m)	>20	3	5	
Lead	ppm	ASTM D5185(m)	>40	<1	<1	
Copper	ppm	ASTM D5185(m)	>330	2	4	
Tin	ppm	ASTM D5185(m)	>15	<1	<1	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	15	13	
Barium	ppm	ASTM D5185(m)	10	0	<1	
Molybdenum	ppm	ASTM D5185(m)	100	57	56	
Manganese	ppm	ASTM D5185(m)		<1	2	
Magnesium	ppm	ASTM D5185(m)	450	588	602	
Calcium	ppm	ASTM D5185(m)	3000	1750	1618	
Phosphorus	ppm	ASTM D5185(m)	1150	783	743	
Zinc	ppm	ASTM D5185(m)	1350	965	961	
Sulfur	ppm	ASTM D5185(m)	4250	2000	2006	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	7	
Sodium	ppm	ASTM D5185(m)	>158	7	8	
Potassium	ppm	ASTM D5185(m)	>20	8	16	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0	0	
Nitration	Abs/cm	ASTM D7624*	>20	11.4	11.0	
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.5	22.3	



# **OIL ANALYSIS REPORT**







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02639805 Unique Number : 5788967

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : GFL0119231

Test Package : MOB 1 ( Additional Tests: Visual )

Received **Tested** Diagnosed

: 05 Jun 2024 : 05 Jun 2024

: 05 Jun 2024 - Wes Davis

15 Bermondsey Road - Building B Toronto, ON CA M4B 1Y9 Contact: Natalia Stalynska

nstalynska@gflenv.com

GFL Environmental - 253 - TOR APT

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: