



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**9105**  
 Component  
**Diesel Engine**  
 Fluid  
**SAE 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0117344</b>	---	---
Sample Date	Client Info		<b>14 May 2024</b>	---	---
Machine Age	kms	Client Info	<b>544268</b>	---	---
Oil Age	kms	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	---	---
Water	WC Method	>0.2	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >110	<b>24</b>	---	---
Chromium	ppm	ASTM D5185(m) >4	<b>1</b>	---	---
Nickel	ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >25	<b>5</b>	---	---
Lead	ppm	ASTM D5185(m) >45	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m) >85	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m) >4	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>3</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>59</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>933</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>1045</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>965</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>1156</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>2412</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >30	<b>7</b>	---	---
Sodium	ppm	ASTM D5185(m) >57	<b>79</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>3</b>	---	---
Glycol	%	ASTM D7922*	<b>0.0</b>	---	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	<b>0.7</b>	---	---
Nitration	Abs/cm	ASTM D7624* >20	<b>9.3</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415* >30	<b>22.0</b>	---	---

