

# **OIL ANALYSIS REPORT**

Sample Rating Trend







OR357
Component
Diesel Engine

Machine Id

**DIESEL ENGINE OIL SAE 40 (--- GAL)** 

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

#### Wear

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the

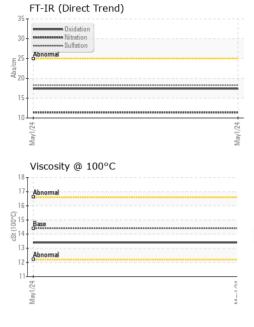
### **Fluid Condition**

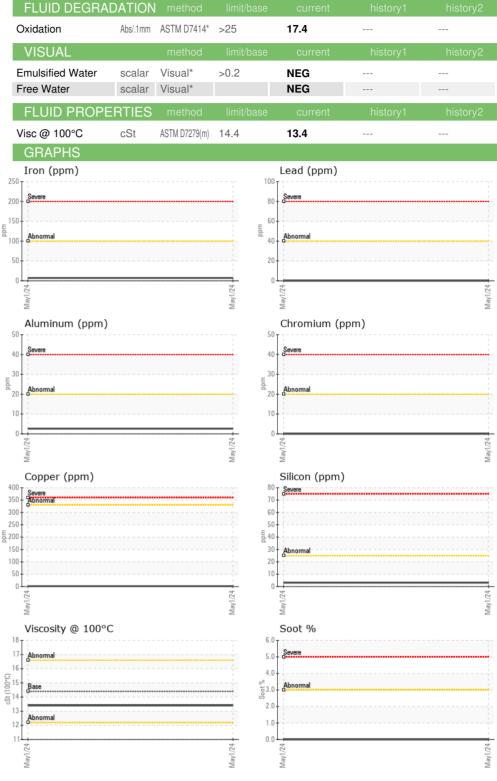
The condition of the oil is acceptable for the time in service.

			1	May2024		
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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113337		
Sample Date		Client Info		01 May 2024		
Machine Age	hrs	Client Info		8306		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	7		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>4	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>20	3		
_ead	ppm	ASTM D5185(m)	>40	0		
Copper	ppm	ASTM D5185(m)	>330	1		
Γin	ppm	ASTM D5185(m)	>15	<1		
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)	250	3		
Barium	ppm	ASTM D5185(m) ASTM D5185(m)	250 10	3		
Molybdenum	ppm	ASTM D5185(m)	10	0		
Molybdenum Manganese	ppm ppm	ASTM D5185(m) ASTM D5185(m)	10	0 59		
Molybdenum Manganese Magnesium	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	10	0 59 0		
Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	10 100 450	0 59 0 973		
Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	10 100 450 3000 1150	0 59 0 973 1067		
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	10 100 450 3000 1150	0 59 0 973 1067 1025		
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	10 100 450 3000 1150 1350	0 59 0 973 1067 1025 1186		
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	10 100 450 3000 1150 1350	0 59 0 973 1067 1025 1186 2626		
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	10 100 450 3000 1150 1350 4250	0 59 0 973 1067 1025 1186 2626 <1		
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	10 100 450 3000 1150 1350 4250	0 59 0 973 1067 1025 1186 2626 <1	     history1	     history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium	ppm	ASTM D5185(m)	10 100 450 3000 1150 1350 4250	0 59 0 973 1067 1025 1186 2626 <1 current	     history1	history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium	ppm	ASTM D5185(m)  MASTM D5185(m)  MASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)	10 100 450 3000 1150 1350 4250 limit/base >25 >216	0 59 0 973 1067 1025 1186 2626 <1 current	history1	history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium  CONTAMINAN Silicon Sodium Potassium	ppm	ASTM D5185(m)	10 100 450 3000 1150 1350 4250 limit/base >25 >216 >20	0 59 0 973 1067 1025 1186 2626 <1 current 3 2	history1	history2
Silicon Sodium Potassium	ppm	ASTM D5185(m)	10 100 450 3000 1150 1350 4250 limit/base >25 >216 >20	0 59 0 973 1067 1025 1186 2626 <1 current 3 2	history1 history1	history2 history2



# **OIL ANALYSIS REPORT**







CALA ISO 17025:2017 Accredited Laboratory

Report Id: GFL720 [WCAMIS] 02634254 (Generated: 05/09/2024 12:24:27) Rev: 1

Laboratory Sample No.

: GFL0113337 Lab Number : 02634254 Unique Number : 5775407

Test Package : MOB 1

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill Received : 09 May 2024 **Tested** : 09 May 2024

Diagnosed

: 09 May 2024 - Wes Davis To discuss this sample report, contact Customer Service at 1-800-268-2131.

Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron cbergeron@gflenv.com T: (613)538-4853

17125 Lafleche Road,

Validity of results and interpretation are based on the sample and information as supplied.

Submitted By: Charles Bergeron