

## **OIL ANALYSIS REPORT**

Sample Rating Trend





Machine Id 420096

1 Differential

Fluid {not provided} (--- GAL)

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: 1st Axle / Pusher )

### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

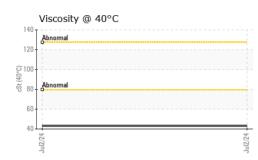
### Fluid Condition

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

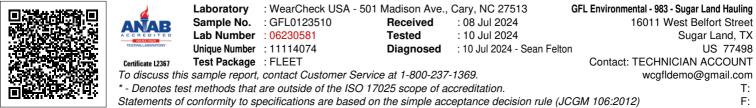
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0123510		
Sample Date		Client Info		02 Jul 2024		
Machine Age	hrs	Client Info		142429		
Oil Age	hrs	Client Info		142429		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>1200	96		
Chromium	ppm	ASTM D5185m	>8	<1		
Nickel	ppm	ASTM D5185m	>20	3		
Titanium	ppm	ASTM D5185m	>4	0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>30	5		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>50	2		
Tin	ppm		>5	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		23		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		23		
Phosphorus	ppm	ASTM D5185m		549		
Zinc	ppm	ASTM D5185m		20		
Sulfur	ppm	ASTM D5185m		19084		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>230	49		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
	a a a l a v	*\/;ouol	NORML	NODMI		
Odor	scalar	*Visual	NUNIVIL	NORML		
Odor Emulsified Water	scalar	*Visual	>.2	NEG		



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Visc @ 40°C	cSt	ASTM D445		43.0		
SAMPLE IMA	GES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS			L			
Ferrous Alloys						
<sup>0</sup> T						
0 - Iron						
•						
D <b>-</b>						
D						
D <b>-</b>						
0 <b>-</b>						
Jul2/24			Jul2/24			
			,			
Non-ferrous Meta	als					
9- copper						
8 tin						
7						
5-						
4						
2						
1-						
Jul2/24			Jul2/24			
Viscosity @ 40°C						
Abnormal						
0-						
0						
0 <b>-</b>						
Abnormal						
0-						
o						
0-						
Jul2/24			Jul2/24			



Submitted By: TECHNICIAN ACCOUNT Page 2 of 2