

# **OIL ANALYSIS REPORT**

Sample Rating Trend

SAMPLE INFORMATION method limit/base

DIRT

history2

current history1

C0020B - SOUTH TROLLEY

Gearbox Fluid GEAR OIL ISO 220 (--- GAL)

# DIAGNOSIS

#### A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## Wear

All component wear rates are normal.

### Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

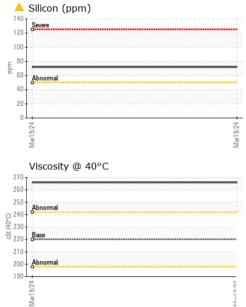
#### Fluid Condition

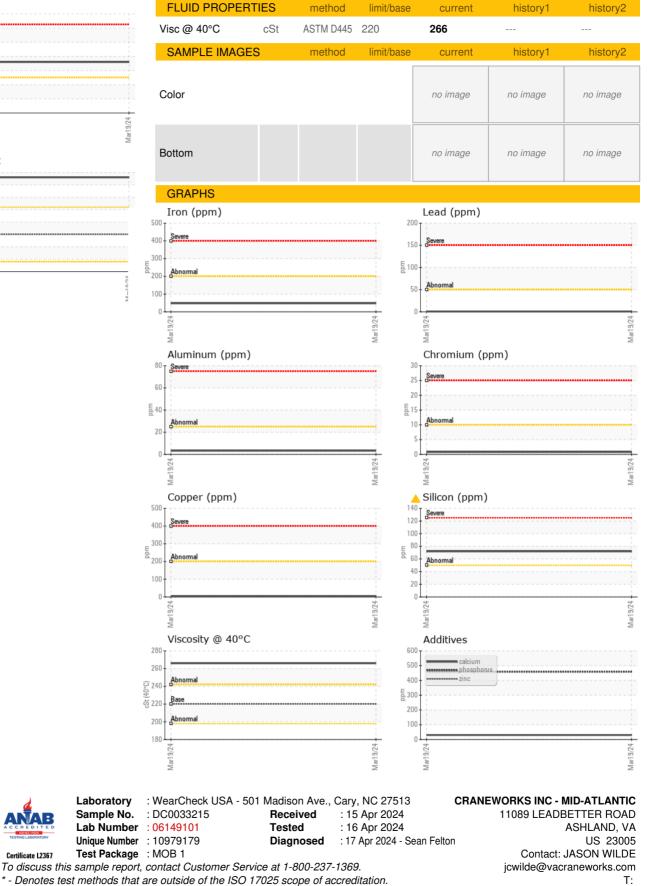
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	/IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0033215		
Sample Date		Client Info		19 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water	•	WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	48		
Chromium	ppm		>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m	210	<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	3		
Lead	ppm	ASTM D5185m	>50	<1		
Copper	ppm	ASTM D5185m	>200	5		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m	210	<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron		ASTM D5185m	50	12		
Barium	ppm ppm	ASTM D5185m	15	12		
Volybdenum		ASTM D5185m	15	-13 <1		
-	ppm	ASTM D5185m	15	3		
Manganese	ppm	ASTM D5185m	50	2		
Magnesium Calcium	ppm	ASTM D5185m	50 50	30		
	ppm	ASTM D5185m	350	30 459		
Phosphorus Zinc	ppm			33		
	ppm	ASTM D5185m	100			
Sulfur	ppm	ASTM D5185m	12500	17048		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<u> </u>		
Sodium	ppm	ASTM D5185m		3		
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		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
:26:43) Rev: 1			C	Contact/Locatior	: JASON WILD	E - CRAASHMA



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Certificate 12367

Contact/Location: JASON WILDE - CRAASHMA

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