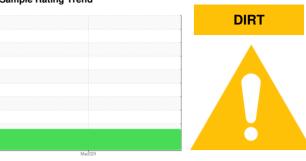


## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **C0020A - WEST BRIDGE**

Gearbox

GEAR OIL SAE 80W90 (--- GAL)

## **DIAGNOSIS**

### Recommendation

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

All component wear rates are normal.

## Contamination

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

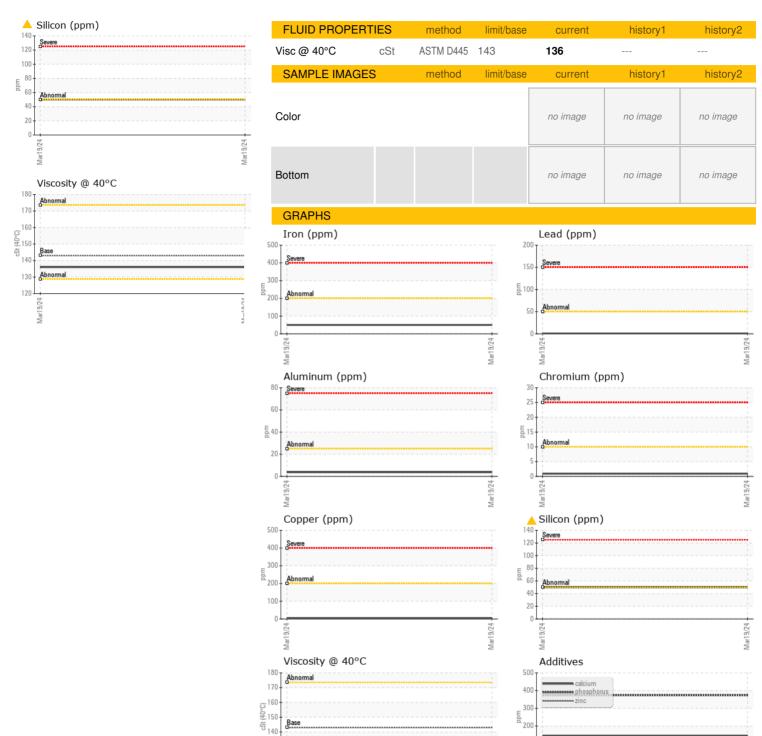
### **Fluid Condition**

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

				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0033216		
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		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	50		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m	710	<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	4		
Lead	ppm	ASTM D5185m	>50	<1		
Copper		ASTM D5185m	>200	4		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm		>10	<1		
	ppm	ASTM D5185m				
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	4		
Barium	ppm	ASTM D5185m	200	4		
Molybdenum	ppm	ASTM D5185m	12	1		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	12	4		
Calcium	ppm	ASTM D5185m	150	144		
Phosphorus	ppm	ASTM D5185m	1650	373		
Zinc	ppm	ASTM D5185m	125	57		
Sulfur	ppm	ASTM D5185m	22500	16532		
CONTAMINANTS	1	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>_</b> 50		
Sodium	ppm	ASTM D5185m	>170	4		
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		
4.00 45\ D						



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: DC0033216 Lab Number : 06149100 Unique Number : 10979178 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Apr 2024

: 16 Apr 2024 **Tested** Diagnosed : 17 Apr 2024 - Sean Felton

100

**CRANEWORKS INC - MID-ATLANTIC** 

11089 LEADBETTER ROAD ASHLAND, VA

US 23005 Contact: JASON WILDE jcwilde@vacraneworks.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Abnormal 130 120

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

T:

F: