

OIL ANALYSIS REPORT

Sample Rating Trend





C0020A
Component
Gearbox
Fluid
SAE 80 (--- GAL)

DIAGNOSIS

Machine Id

Recommendation

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

🔔 Wear

Gear wear is indicated.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

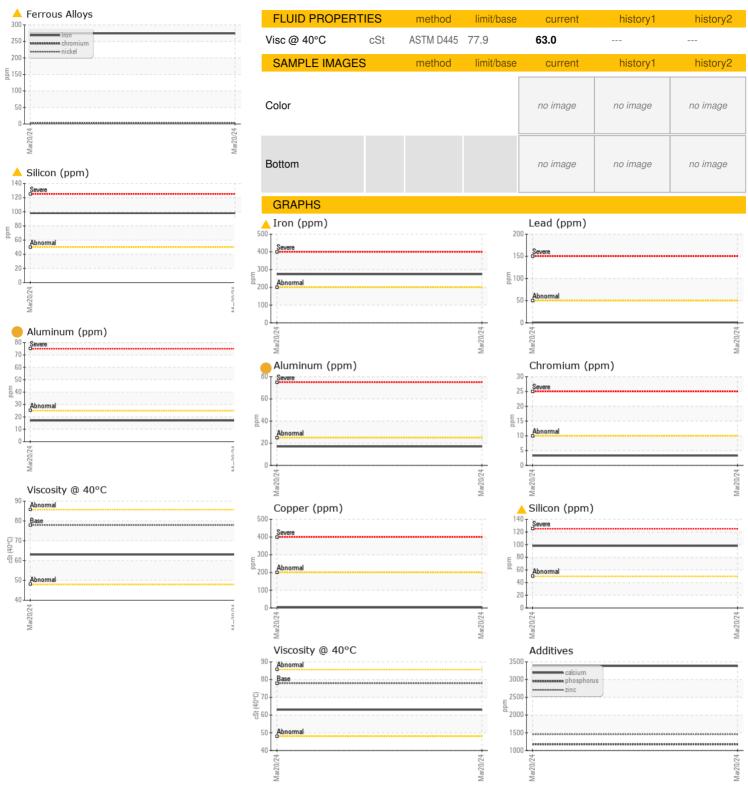
Fluid Condition

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		DC0033222		
Sample Date		Client Info		20 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION	١	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	274		
Chromium	ppm	ASTM D5185m	>10	3		
Nickel	ppm	ASTM D5185m	>10	1		
Titanium	ppm	ASTM D5185m		2		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<u> </u>		
Lead	ppm	ASTM D5185m	>50	<1		
Copper	ppm	ASTM D5185m	>200	2		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
			minu baoo			
Boron	ppm	ASTM D5185m		106 7		
Barium	ppm	ASTM D5185m		-		
Molybdenum	ppm	ASTM D5185m		<1 4		
Manganese	ppm	ASTM D5185m		-		
Magnesium	ppm	ASTM D5185m		17		
Calcium	ppm	ASTM D5185m		3383		
Phosphorus	ppm	ASTM D5185m		1177		
Zinc	ppm	ASTM D5185m		1459		
Sulfur	ppm	ASTM D5185m		11932		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<u>^</u> 98		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	16		
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		
1.26.41) Dov. 1				'antact/Lacation		



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Certificate 12367

Sample No. : DC0033222 Lab Number : 06149098

Unique Number : 10979176 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

CRANEWORKS INC - MID-ATLANTIC 11089 LEADBETTER ROAD

ASHLAND, VA US 23005 Contact: JASON WILDE

jcwilde@vacraneworks.com T:

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.

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

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