

# **OIL ANALYSIS REPORT**



Component **Drive End Gearbox** 

NOT GIVEN (--- GAL)

# Sample Rating Trend **DEGRADATION**

### DIAGNOSIS

#### Recommendation

The oil is near the end of it's useful service life. recommend schedule an oil change. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

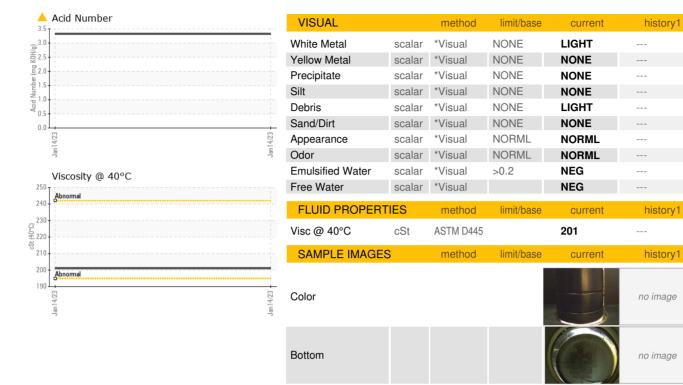
#### ▲ Fluid Condition

The AN level is at the top-end of the recommended limit. The condition of the oil is acceptable for the time in service.

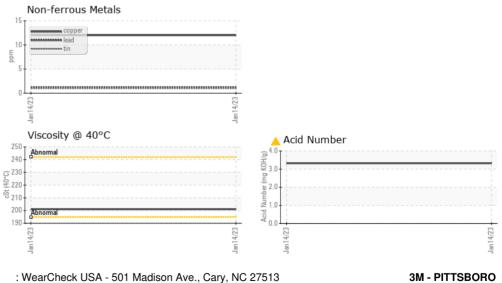
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0738818		
Sample Date		Client Info		14 Jan 2023		
Machine Age		Client Info		0		
Oil Age		Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATIO	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	80		
Chromium	ppm	ASTM D5185m	>15	<1		
Nickel	ppm	ASTM D5185m	>15	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	3		
Lead	ppm	ASTM D5185m	>100	1		
Copper	ppm	ASTM D5185m	>200	12		
Tin	ppm	ASTM D5185m	>25	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		79		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		350		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m		35		
Phosphorus	ppm	ASTM D5185m		918		
Zinc	ppm	ASTM D5185m		28		
Sulfur	ppm	ASTM D5185m		20316		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	22		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>▲</b> 3.32		



## **OIL ANALYSIS REPORT**



**GRAPHS** Ferrous Alloys







Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0738818

: 05740706 : 10295305 Recieved Diagnosed Diagnostician

: 17 Jan 2023 : 18 Jan 2023 : Don Baldridge

US 27559 Contact: General Account

bapoe@mmm.com

T: x: F: x:

4191 NC 87 S

MONCURE, NC

history2

history2

no image

no image

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)