

PROBLEM SUMMARY

Area **REDUCERS - GEARBOX** Machine Id **B72451**

Component Reduction Gear Fluid BELRAY NO-TOX HD FOOD GRADE OIL 220 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	
Particles >4µm	ASTM D7647	>20000	<u> </u>	
Particles >6µm	ASTM D7647	>5000	A 38474	
Particles >14µm	ASTM D7647	>640	<u> </u>	
Particles >21µm	ASTM D7647	>160	<u> </u>	
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<u> </u>	

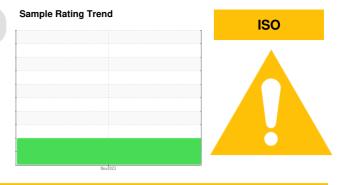
Customer Id: PAPOMA Sample No.: WC0808483 Lab Number: 06010741 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 <u>jhester@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component if applicable.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

REDUCERS - GEARBOX **B72451** Component

Reduction Gear Fluid

BELRAY NO-TOX HD FOOD GRADE OIL 220

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

					·····	
0 (GAL)				NovZ023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0808483		
Sample Date		Client Info		13 Nov 2023		
Machine Age	hrs	Client Info		0		
Dil Age	hrs	Client Info		0		
Dil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>150	25		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
ead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>50	1		
īn	ppm	ASTM D5185m	>10	0		
/anadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Nolybdenum	ppm	ASTM D5185m		0		
Nanganese	ppm	ASTM D5185m		<1		
Agnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
hosphorus	ppm	ASTM D5185m		425		
	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		207		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm		>50	5		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	1 31788		
Particles >6µm		ASTM D7647	>5000	▲ 38474		
Particles >14µm		ASTM D7647	>640	▲ 1102		
Particles >21µm		ASTM D7647	>160	<u> </u>		
Particles >38µm		ASTM D7647	>40	6		
Particles >71µm Dil Cleanliness		ASTM D7647 ISO 4406 (c)	>10 >21/19/16	0 <u> 4</u> 24/22/17		
		()				
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.271		

Sample Rating Trend

ISO



Acid Number

Viscosity @ 40°C

0.30

(B/HO) 20.18

Ê 0.12

0.0 Acid

0.00

260

250

240

\$ 230 ŝ

220

210 200 Jov13/25

OIL ANALYSIS REPORT

method

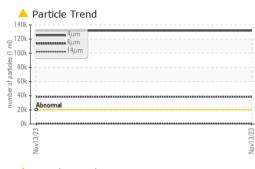
limit/base

current

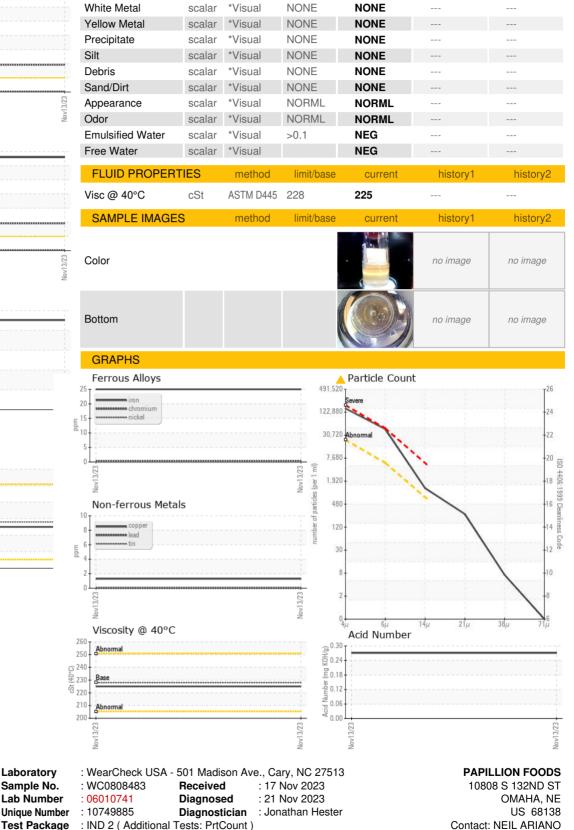
history1

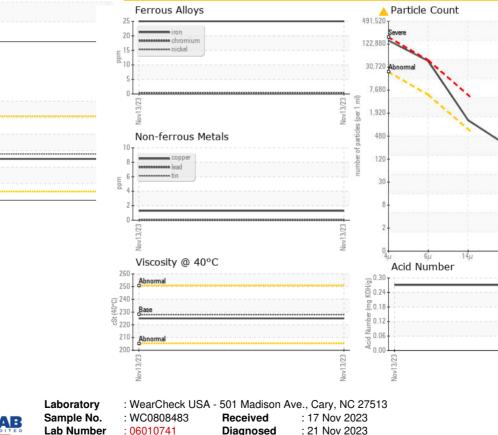
history2

VISUAL









Contact: NEIL ARIANO njariano@hormel.com T: F:



Certificate L2367

Unique Number

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)

Submitted By: NEIL ARIANO