

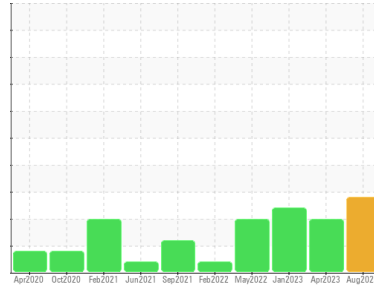


# PROBLEM SUMMARY

Area  
**AjiPro SRL**  
Machine Id  
**ME-2736B**

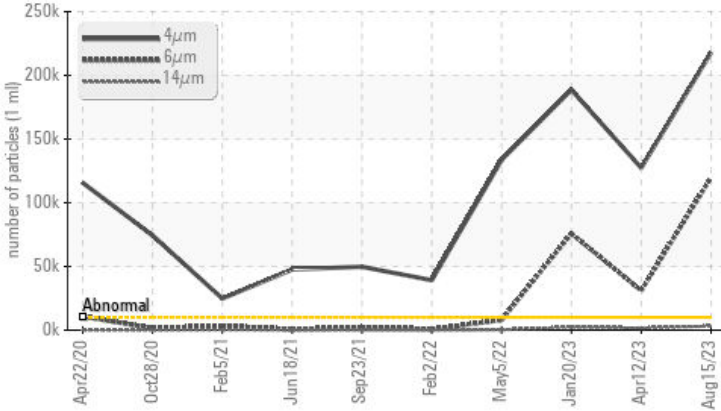
Component  
**Gearbox**  
Fluid  
**HIGH PERFORMANCE LUBRICANTS GEAR LIFE 320 (20 GAL)**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY

▲ Particle Trend



## 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			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>10000	▲ <b>217928</b>	▲ 127391	▲ 188643
Particles >6µm	ASTM D7647	>1300	▲ <b>119682</b>	▲ 31038	▲ 75856
Particles >14µm	ASTM D7647	>160	▲ <b>3172</b>	▲ 1591	▲ 2338
Particles >21µm	ASTM D7647	>40	▲ <b>670</b>	▲ 270	▲ 623
Particles >38µm	ASTM D7647	>10	▲ <b>34</b>	11	▲ 34
Particles >71µm	ASTM D7647	>3	▲ <b>6</b>	0	2
Oil Cleanliness	ISO 4406 (c)	>20/17/14	▲ <b>25/24/19</b>	▲ 24/22/18	▲ 25/23/18

Customer Id: AJIEDD  
Sample No.: WC0804713  
Lab Number: 05928247  
Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Doug Bogart +1 (800)237-1369 x4016  
[dougb@wearcheckusa.com](mailto:dougb@wearcheckusa.com)

To change component or sample information:  
Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

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

## HISTORICAL DIAGNOSIS

### 12 Apr 2023 Diag: Angela Borella

ISO



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 20 Jan 2023 Diag: Don Baldrige

ISO



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 05 May 2022 Diag: Don Baldrige

ISO



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

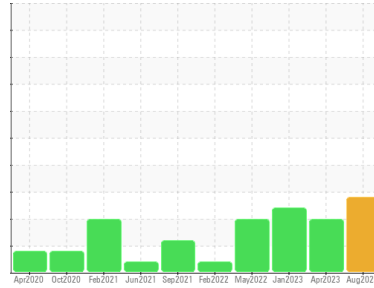
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area  
**AjiPro SRL**  
 Machine Id  
**ME-2736B**

Component  
**Gearbox**  
 Fluid  
**HIGH PERFORMANCE LUBRICANTS GEAR LIFE 320 (20 GAL)**

## DIAGNOSIS

### 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0804713</b>	WC0786758	WC0765955
Sample Date	Client Info		<b>15 Aug 2023</b>	12 Apr 2023	20 Jan 2023
Machine Age	mths	Client Info	<b>0</b>	0	0
Oil Age	mths	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>200	<b>36</b>	51	27
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>2</b>	1	1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	1
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	4	5
Calcium	ppm	ASTM D5185m		<b>0</b>	2	2
Phosphorus	ppm	ASTM D5185m		<b>128</b>	206	219
Zinc	ppm	ASTM D5185m		<b>21</b>	19	26
Sulfur	ppm	ASTM D5185m		<b>29597</b>	25056	25220

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	<b>23</b>	16	13
Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	1
Water	%	ASTM D6304	>0.2	<b>0.017</b>	0.012	0.016
ppm Water	ppm	ASTM D6304	>2000	<b>172.7</b>	127.1	167.9

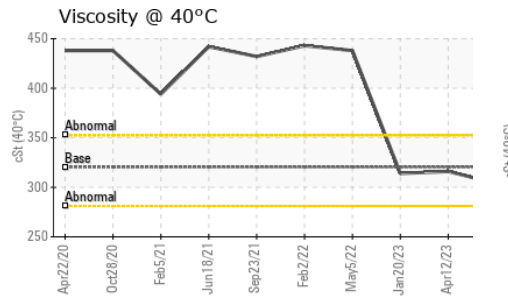
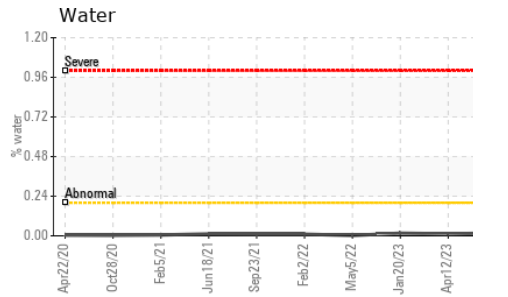
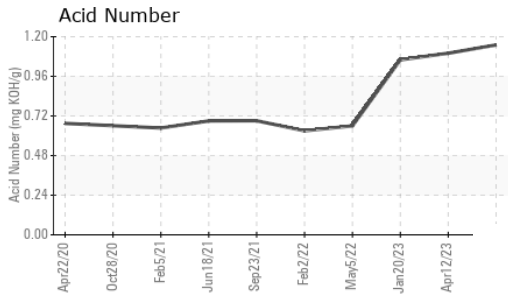
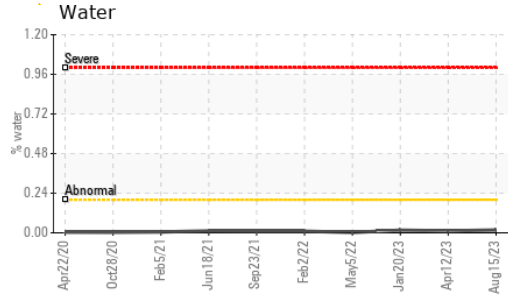
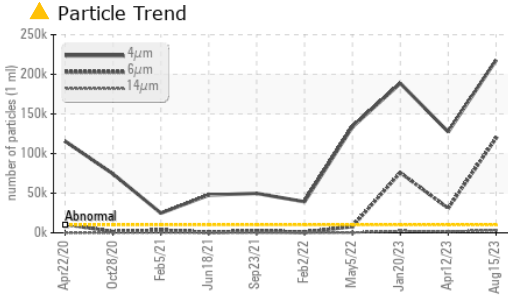
## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>▲ 217928</b>	▲ 127391	▲ 188643
Particles >6µm	ASTM D7647	>1300	<b>▲ 119682</b>	▲ 31038	▲ 75856
Particles >14µm	ASTM D7647	>160	<b>▲ 3172</b>	▲ 1591	▲ 2338
Particles >21µm	ASTM D7647	>40	<b>▲ 670</b>	▲ 270	▲ 623
Particles >38µm	ASTM D7647	>10	<b>▲ 34</b>	11	▲ 34
Particles >71µm	ASTM D7647	>3	<b>▲ 6</b>	0	2
Oil Cleanliness	ISO 4406 (c)	>20/17/14	<b>▲ 25/24/19</b>	▲ 24/22/18	▲ 25/23/18

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.15</b>	1.10	1.06

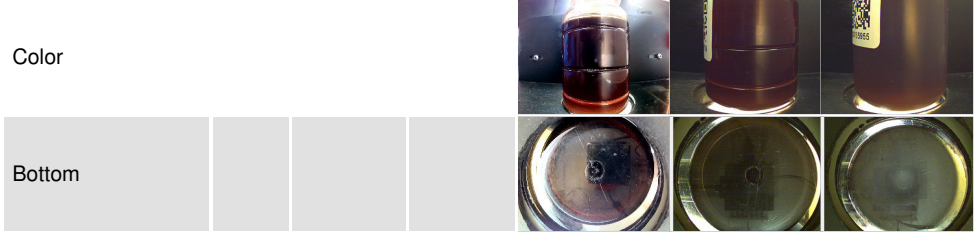
# OIL ANALYSIS REPORT



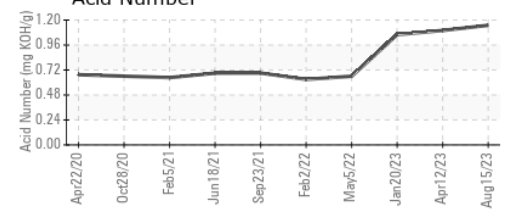
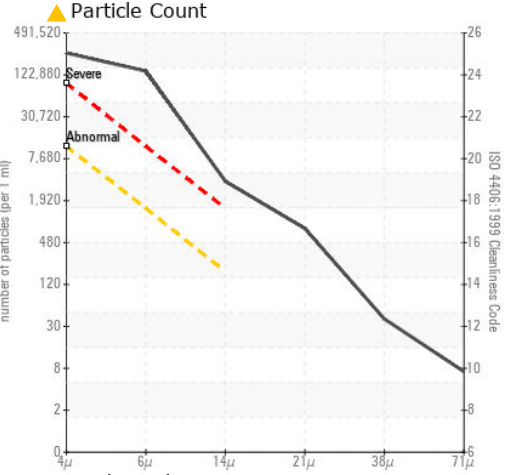
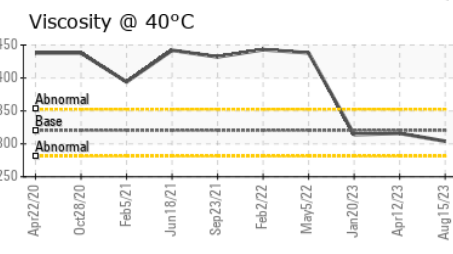
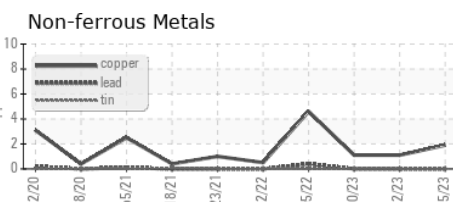
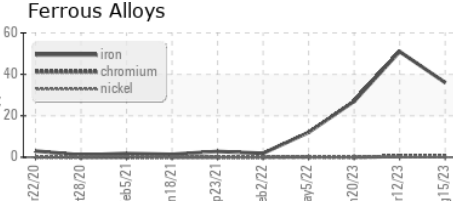
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320.4	316	314

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0804713 **Received** : 18 Aug 2023  
**Lab Number** : 05928247 **Diagnosed** : 21 Aug 2023  
**Unique Number** : 10608194 **Diagnostician** : Doug Bogart  
**Test Package** : PLANT

**AJINOMOTO ANIMAL NUTRITION NORTH AMERICA, INC.**  
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 EDDYVILLE, IA  
 US 52553  
 Contact: Alan Brittain  
 brittaina@ajiusa.com  
 T: (641)295-0086  
 F:

Certificate L2367  
 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)