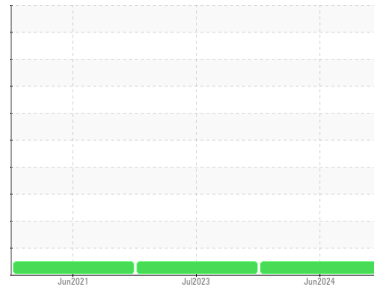




# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Area  
**MELT SHOP**  
 Machine Id  
**LADLE TURRETT - 4:30**  
 Component  
**Lower Grease**  
 Fluid  
**{not provided} (--- QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Grease Condition

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

### Contaminants

There is no indication of any contamination in the grease.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>RP0044242</b>	RP0034966	WCI2276152
Sample Date	Client Info			<b>05 Jun 2024</b>	07 Jul 2023	13 Jun 2021
Machine Age	hrs	Client Info		<b>0</b>	0	0
Grease Age	hrs	Client Info		<b>0</b>	0	0
Grease Serviced	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>250	<b>26</b>	106	16
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>3</b>	2	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>272</b>	189	0
Magnesium	ppm	ASTM D5185m		<b>70</b>	46	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	1	<1
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Phosphorus	ppm	ASTM D5185m		<b>87</b>	80	0
Zinc	ppm	ASTM D5185m		<b>0</b>	25	0
Antimony	ppm	ASTM D5185m		<b>---</b>	---	0

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		<b>17</b>	12	0
Barium	ppm	ASTM D5185m		<b>2</b>	2	0
Calcium	ppm	ASTM D5185m		<b>41567</b>	44192	0
Sodium	ppm	ASTM D5185m		<b>18</b>	15	23
Lithium	ppm	ASTM D5185m		<b>50</b>	72	1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	<b>17</b>	13	0
Potassium	ppm	ASTM D5185m		<b>40</b>	26	1
Water	%	ASTM D6304	>0.1	<b>NEG</b>	NEG	0.070
ppm Water	ppm	ASTM D6304	>1000	<b>---</b>	---	700

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color

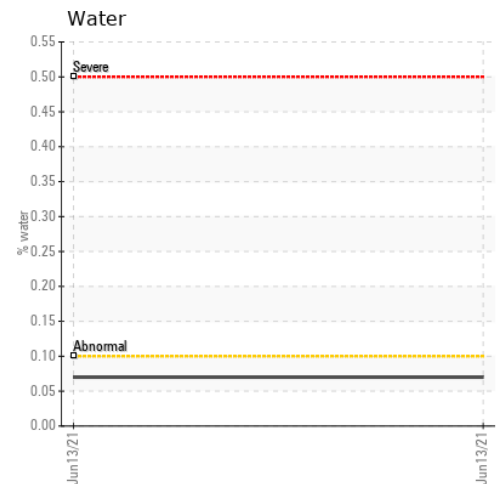
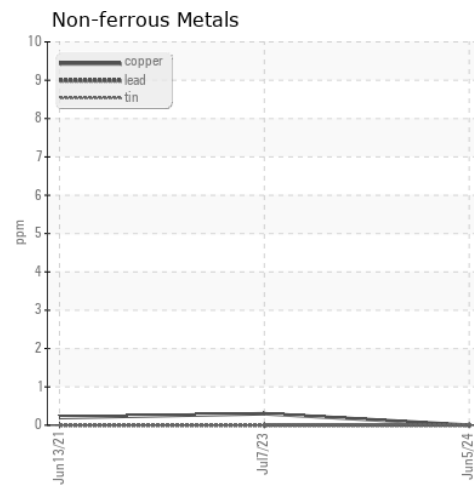
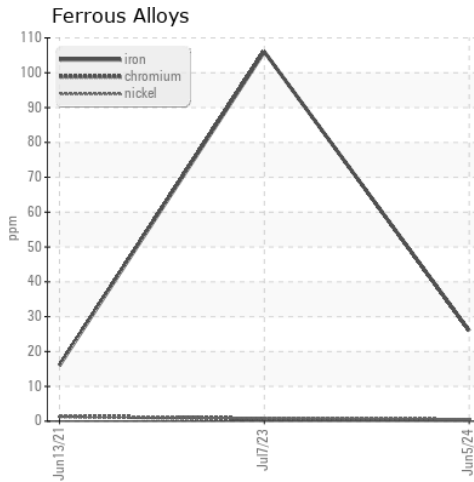
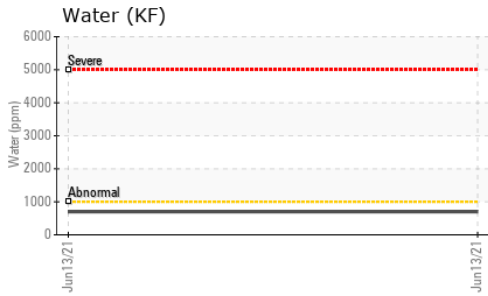


Bottom



# GREASE ANALYSIS

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0044242  
**Lab Number** : 06201941  
**Unique Number** : 11069402  
**Test Package** : IND 2 ( Additional Tests: PQ )  
**Received** : 06 Jun 2024  
**Tested** : 20 Jun 2024  
**Diagnosed** : 20 Jun 2024 - Doug Bogart

**OUTOKUMPU STAINLESS USA**  
 HWY 43 N  
 CALVERT, AL  
 US 36513  
 Contact: MARIO JOHNSON  
 Mario.johnson@outokumpu.com  
 T: (251)321-4105  
 F: x:

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)