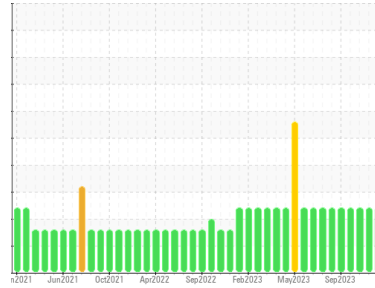




# OIL ANALYSIS REPORT

Sample Rating Trend



Area  
**CRM74**  
 Machine Id  
**CRM 74 CLEAN OIL TANK (S/N 16-2400-1026)**  
 Component  
**Tank Bulk Fluid Tank**  
 Fluid  
**{not provided} (59438 GAL)**

## DIAGNOSIS

**Recommendation**  
 No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

**Wear**  
 Bearing and/or gear wear is indicated.

**Contamination**  
 There is no indication of any contamination 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>RP0039089</b>	RP0038635	RP0034989
Sample Date	Client Info		<b>29 Jan 2024</b>	04 Jan 2024	05 Dec 2023
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ATTENTION</b>	ATTENTION	ATTENTION

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>16</b>	16	15
Iron	ppm	ASTM D5185m	<b>▲ 355</b>	▲ 335	▲ 347
Chromium	ppm	ASTM D5185m	<b>▲ 79</b>	▲ 75	▲ 76
Nickel	ppm	ASTM D5185m	<b>25</b>	25	25
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	<b>2</b>	0	2
Lead	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	<b>▲ 86</b>	▲ 84	▲ 89
Tin	ppm	ASTM D5185m	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	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>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>2</b>	2	2
Manganese	ppm	ASTM D5185m	<b>22</b>	21	22
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185m	<b>8</b>	7	8
Phosphorus	ppm	ASTM D5185m	<b>1188</b>	1128	1072
Zinc	ppm	ASTM D5185m	<b>33</b>	31	20

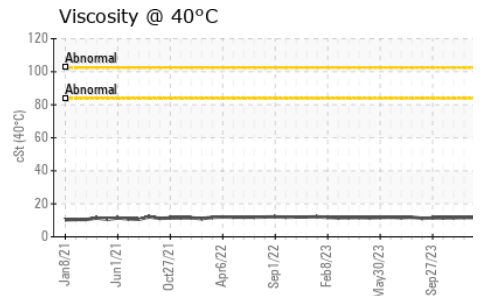
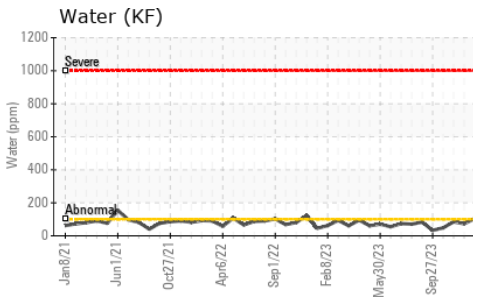
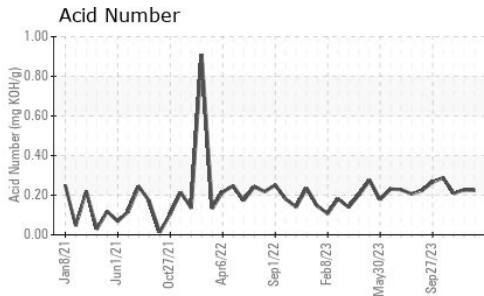
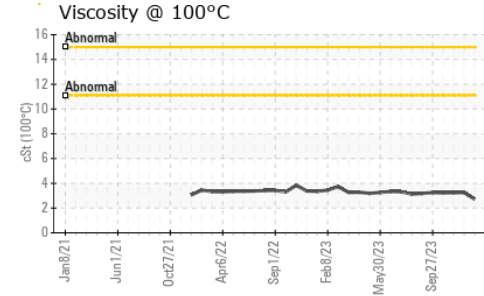
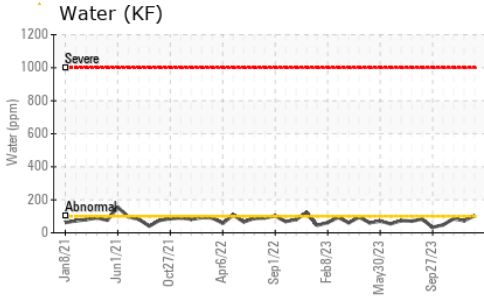
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<b>3</b>	3	2
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	4	<1
Potassium	ppm	ASTM D5185m	<b>&gt;20</b>	0	2
Water	%	ASTM D6304	<b>0.010</b>	0.007	0.008
ppm Water	ppm	ASTM D6304	<b>104</b>	73	85

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.224</b>	0.227	0.209

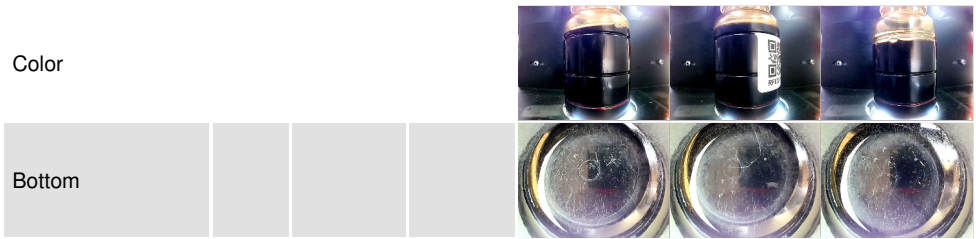
# OIL ANALYSIS REPORT



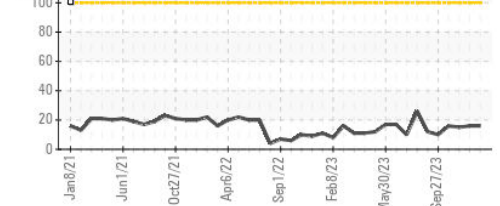
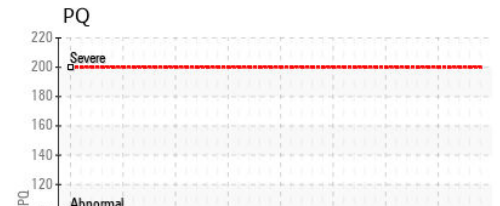
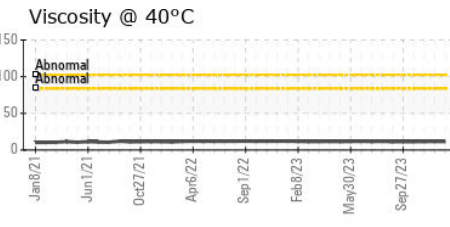
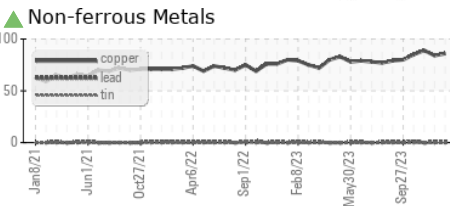
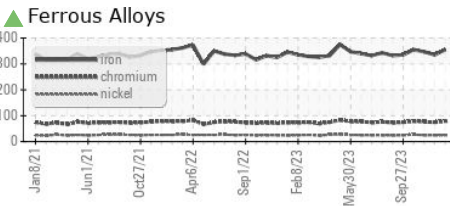
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	11.6	11.7	11.5
Visc @ 100°C	cSt	ASTM D445	2.72	3.25	3.24
Viscosity Index (VI)	Scale	ASTM D2270	55	154	159

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0039089 **Received** : 31 Jan 2024  
**Lab Number** : 06076239 **Diagnosed** : 05 Feb 2024  
**Unique Number** : 10858330 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KV100, PQ, VI )

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

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)