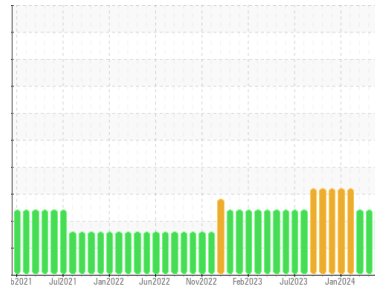




# OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area

**CRM74**

Machine Id

**CRM 74 DIRTY OIL TANK (S/N 16-2400-1025)**

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>RP0042061</b>	RP0042179	RP0042604
Sample Date	Client Info		<b>09 May 2024</b>	26 Mar 2024	29 Feb 2024
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>19</b>	17	13
Iron	ppm	ASTM D5185m	<b>332</b>	323	339
Chromium	ppm	ASTM D5185m	<b>74</b>	76	77
Nickel	ppm	ASTM D5185m	<b>23</b>	24	25
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	<b>0</b>	<1	0
Lead	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	<b>80</b>	82	80
Tin	ppm	ASTM D5185m	<b>0</b>	1	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</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>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	2	1
Manganese	ppm	ASTM D5185m	<b>20</b>	21	21
Magnesium	ppm	ASTM D5185m	<b>0</b>	0	0
Calcium	ppm	ASTM D5185m	<b>8</b>	7	9
Phosphorus	ppm	ASTM D5185m	<b>1250</b>	1241	1394
Zinc	ppm	ASTM D5185m	<b>38</b>	30	33

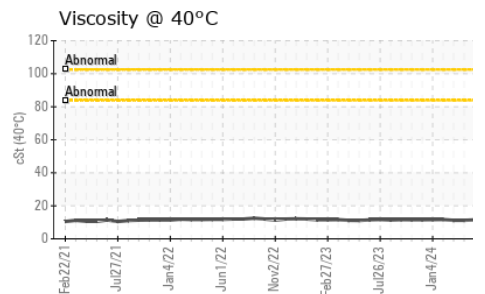
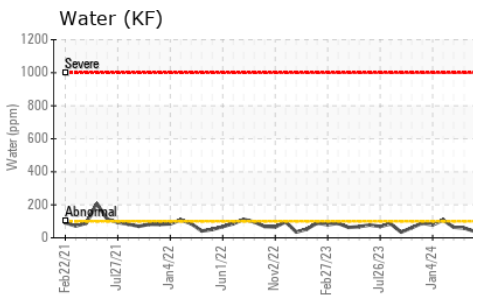
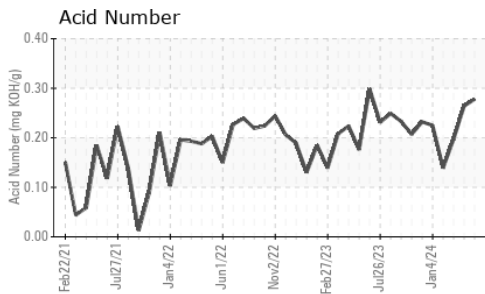
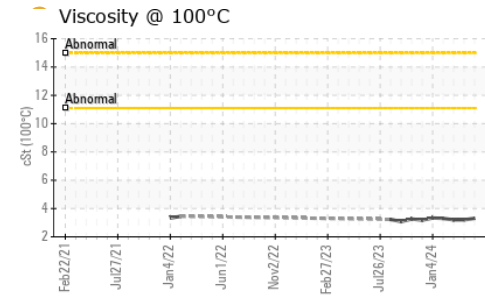
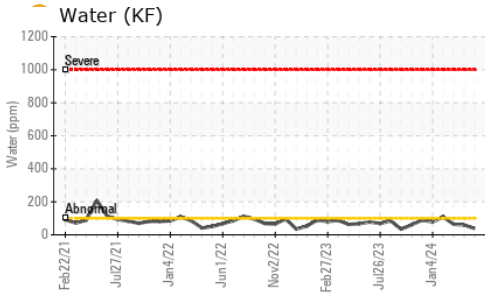
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<b>3</b>	2	2
Sodium	ppm	ASTM D5185m	<b>4</b>	6	4
Potassium	ppm	ASTM D5185m	<b>&gt;20</b>	1	<1
Water	%	ASTM D6304	<b>0.003</b>	0.005	0.006
ppm Water	ppm	ASTM D6304	<b>39</b>	59	64

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.278</b>	0.264	0.197

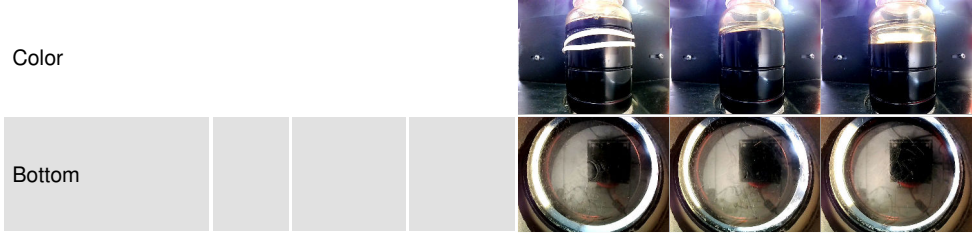
# OIL ANALYSIS REPORT



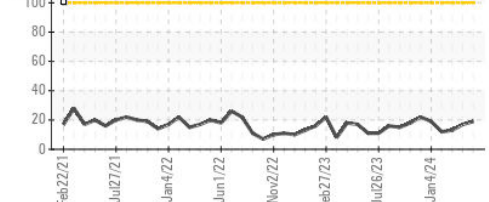
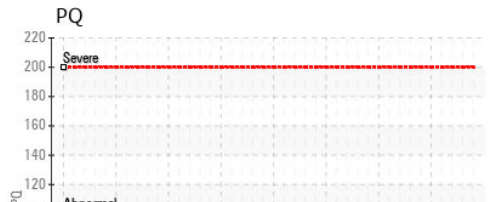
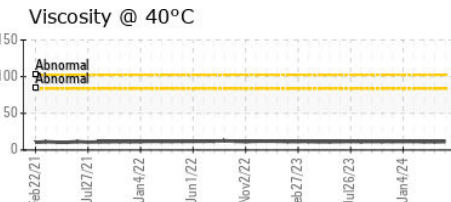
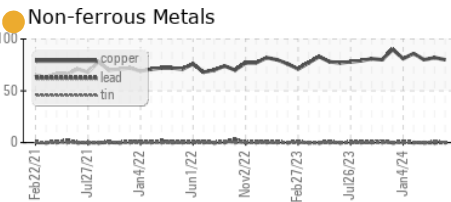
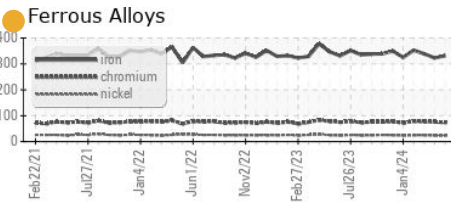
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	11.5	11.2	11.2
Visc @ 100°C	cSt	ASTM D445	3.31	3.2	3.2
Viscosity Index (VI)	Scale	ASTM D2270	172	162	162

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0042061 **Received** : 10 May 2024  
**Lab Number** : 06176640 **Tested** : 13 May 2024  
**Unique Number** : 11022693 **Diagnosed** : 14 May 2024 - Angela Borella  
**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:

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)