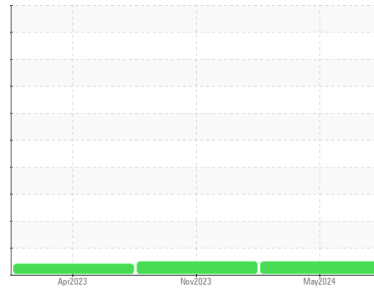




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**CTL74**  
 Machine Id  
**CTL 74 EDGE TRIMMER MAIN B/S**  
 Component  
**Gearbox**  
 Fluid  
**ESSO SPARTAN EP 220 (20 GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The water content is negligible. 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>RP0042104</b>	RP0038601	RP0029624
Sample Date	Client Info			<b>28 May 2024</b>	02 Nov 2023	18 Apr 2023
Machine Age	mths	Client Info		<b>2</b>	2	2
Oil Age	mths	Client Info		<b>2</b>	2	0
Oil Changed	Client Info			<b>N/A</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	ATTENTION

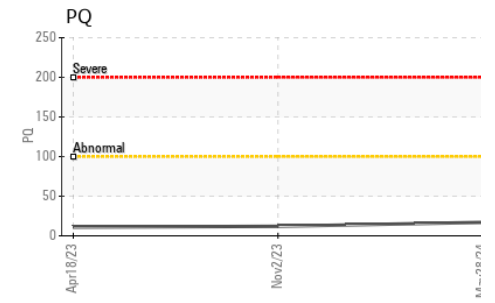
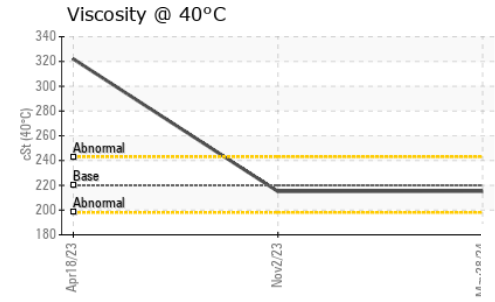
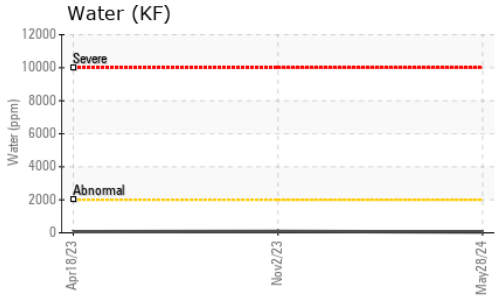
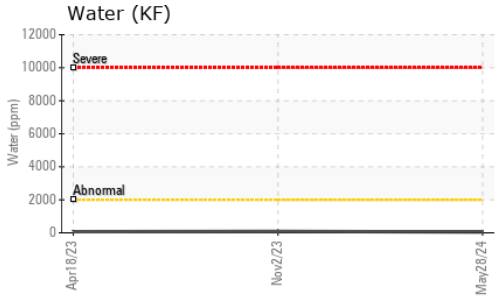
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>17</b>	12	11
Iron	ppm	ASTM D5185m	>200	<b>2</b>	<1	<1
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	2	0
Lead	ppm	ASTM D5185m	>100	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	.5	<b>10</b>	12	2
Barium	ppm	ASTM D5185m		<b>0</b>	19	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>5</b>	6	2
Calcium	ppm	ASTM D5185m	1.7	<b>0</b>	9	6
Phosphorus	ppm	ASTM D5185m	250	<b>168</b>	204	99
Zinc	ppm	ASTM D5185m	.3	<b>6</b>	16	3

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>3</b>	2	2
Sodium	ppm	ASTM D5185m		<b>0</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	0
Water	%	ASTM D6304	>0.2	<b>0.004</b>	0.008	0.006
ppm Water	ppm	ASTM D6304	>2000	<b>48</b>	88.4	69.6

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.75	<b>0.41</b>	0.39	0.14

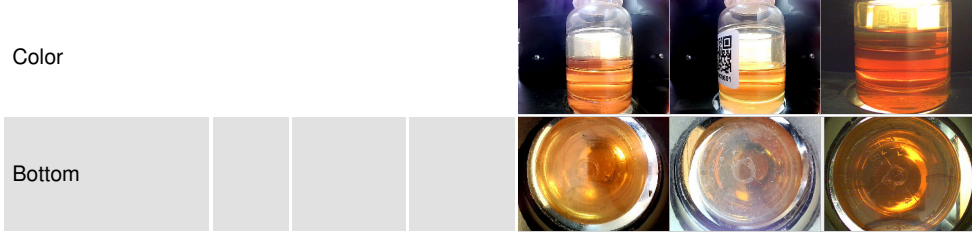
# OIL ANALYSIS REPORT



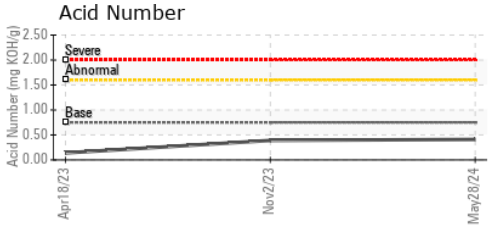
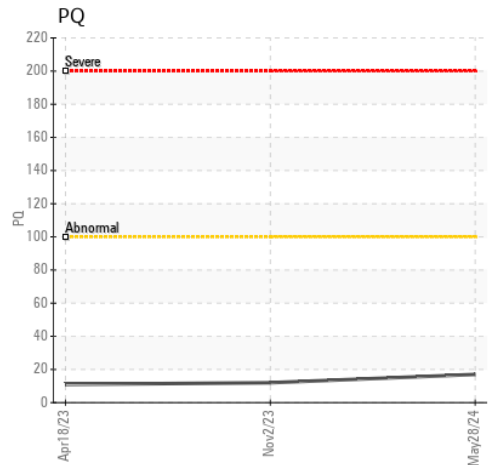
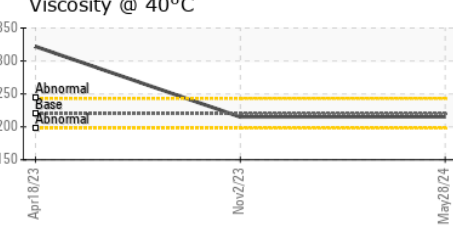
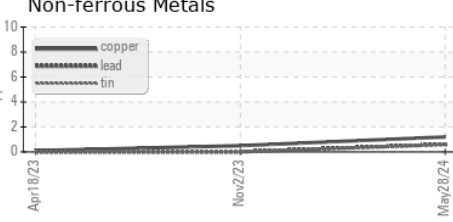
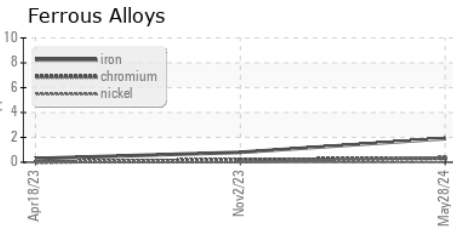
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 220	215.2	215	322

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0042104 **Received** : 29 May 2024  
**Lab Number** : 06194144 **Tested** : 03 Jun 2024  
**Unique Number** : 11056267 **Diagnosed** : 03 Jun 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: PQ )

**OUTOKUMPU STAINLESS USA**  
 HWY 43 N  
 CALVERT, AL 36513  
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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)