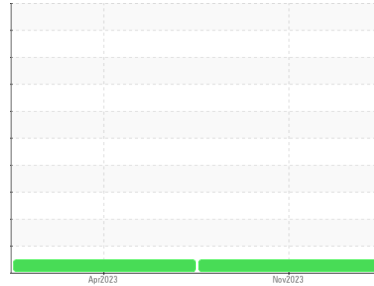




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**CTL74**  
 Machine Id  
**CTL 74 EDGE TRIMMER REDUCER O/S**  
 Component  
**Gearbox**  
 Fluid  
**ESSO SPARTAN EP 220 (2 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### 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>RP0035318</b>	RP0029627	---
Sample Date	Client Info			<b>02 Nov 2023</b>	17 Apr 2023	---
Machine Age	mths	Client Info		<b>2</b>	2	---
Oil Age	mths	Client Info		<b>2</b>	0	---
Oil Changed	Client Info			<b>N/A</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

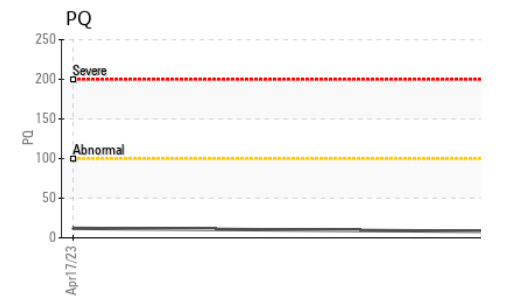
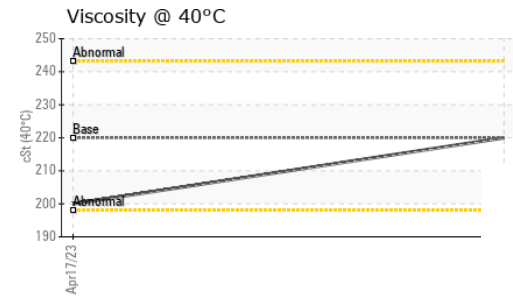
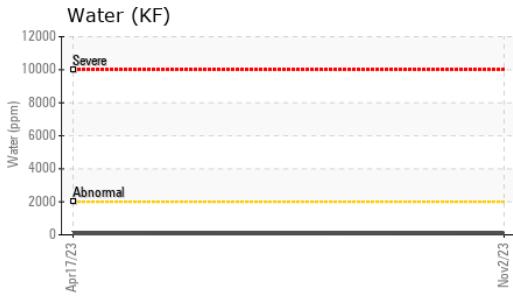
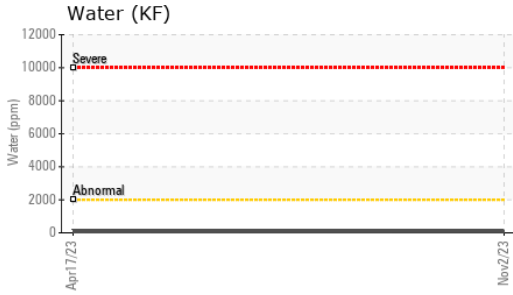
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>8</b>	12	---
Iron	ppm	ASTM D5185m	>200	<b>&lt;1</b>	1	---
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>200	<b>0</b>	1	---
Tin	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	.5	<b>19</b>	<1	---
Barium	ppm	ASTM D5185m		<b>19</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	1	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	0	<b>6</b>	7	---
Calcium	ppm	ASTM D5185m	1.7	<b>13</b>	34	---
Phosphorus	ppm	ASTM D5185m	250	<b>220</b>	165	---
Zinc	ppm	ASTM D5185m	.3	<b>16</b>	44	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>3</b>	2	---
Sodium	ppm	ASTM D5185m		<b>0</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Water	%	ASTM D6304	>0.2	<b>0.008</b>	0.007	---
ppm Water	ppm	ASTM D6304	>2000	<b>81.7</b>	70.8	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.75	<b>0.46</b>	0.20	---

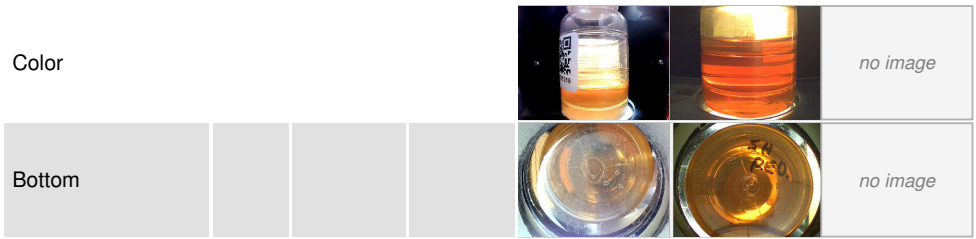
# OIL ANALYSIS REPORT



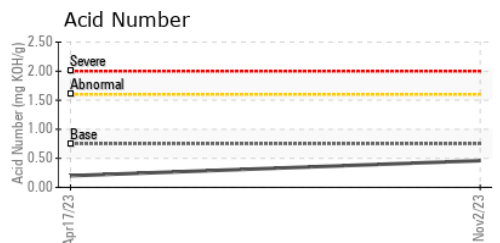
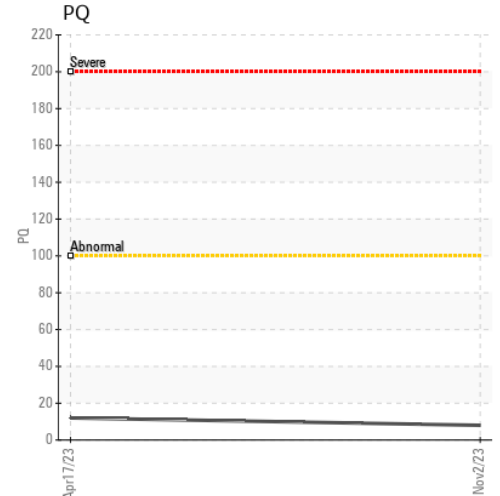
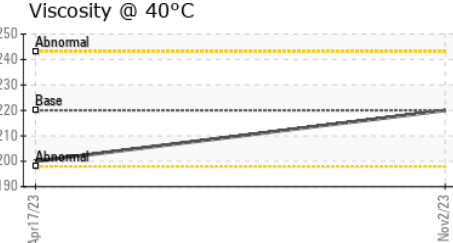
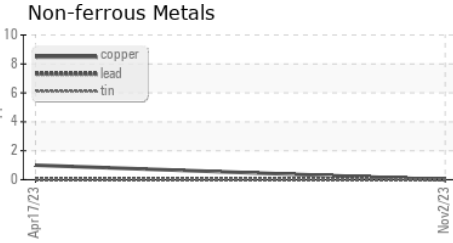
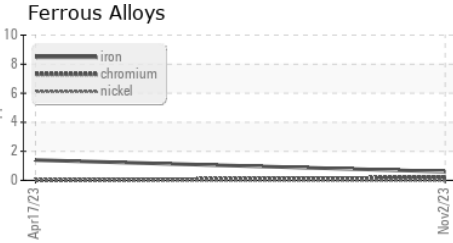
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	200	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0035318 **Received** : 03 Nov 2023  
**Lab Number** : 05998090 **Diagnosed** : 06 Nov 2023  
**Unique Number** : 10726450 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: PQ )

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