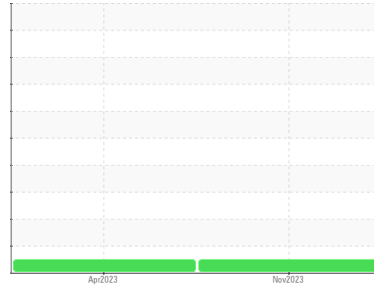




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**CTL74**  
 Machine Id  
**CTL 74 SCRAP CHOPPER 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

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>RP0038596</b>	RP0030552	---
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>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

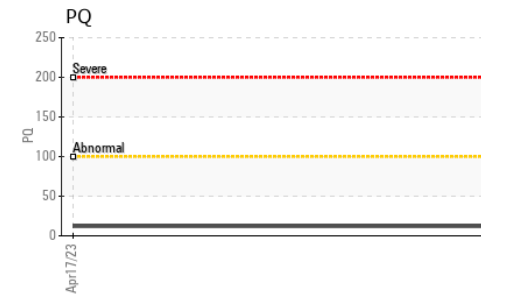
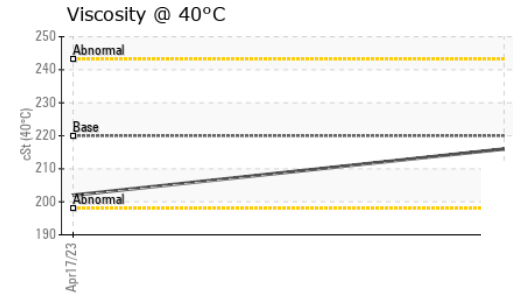
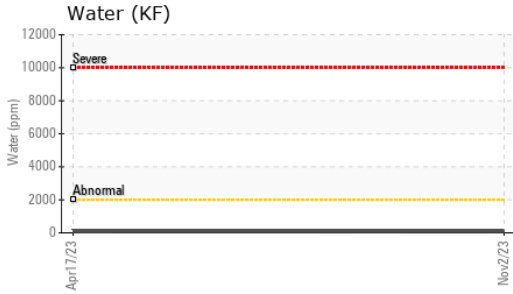
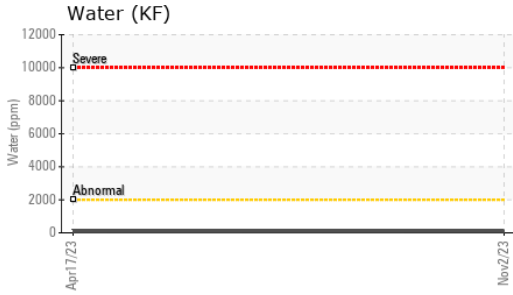
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>12</b>	12	---
Iron	ppm	ASTM D5185m	>200	<b>7</b>	10	---
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</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>9</b>	0	---
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>	6	---
Calcium	ppm	ASTM D5185m	1.7	<b>11</b>	26	---
Phosphorus	ppm	ASTM D5185m	250	<b>210</b>	159	---
Zinc	ppm	ASTM D5185m	.3	<b>16</b>	33	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>2</b>	2	---
Sodium	ppm	ASTM D5185m		<b>0</b>	1	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Water	%	ASTM D6304	>0.2	<b>0.009</b>	0.008	---
ppm Water	ppm	ASTM D6304	>2000	<b>93.2</b>	84.3	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.75	<b>0.44</b>	0.24	---

# OIL ANALYSIS REPORT



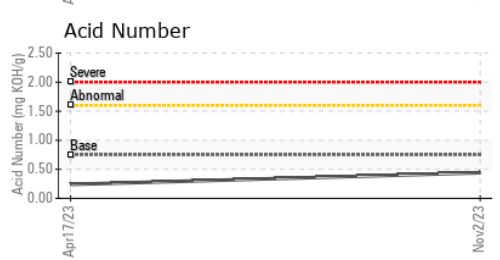
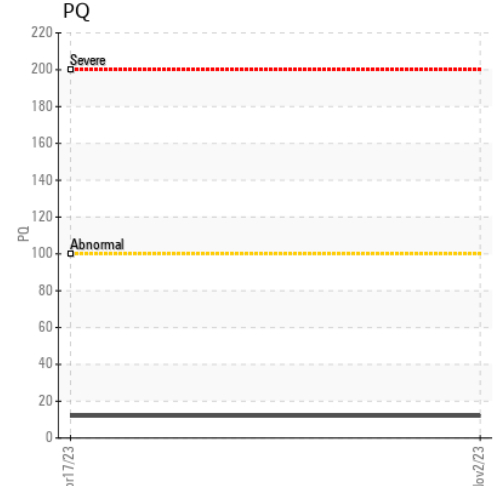
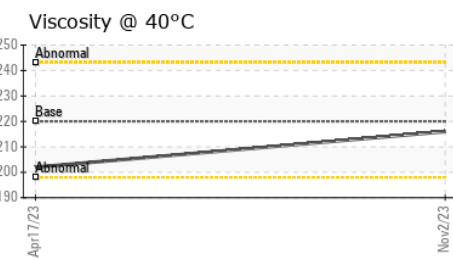
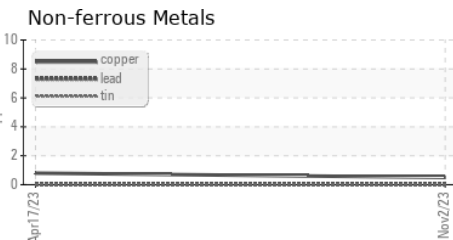
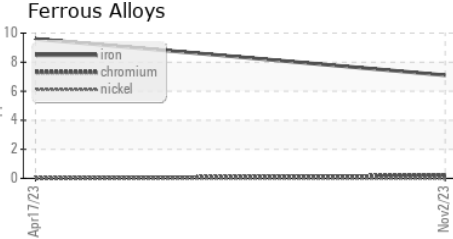
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	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	216	202	---

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0038596 **Received** : 03 Nov 2023  
**Lab Number** : 05998074 **Diagnosed** : 06 Nov 2023  
**Unique Number** : 10726434 **Diagnostician** : Angela Borella  
**Test Package** : IND 2 ( Additional Tests: PQ )

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)

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