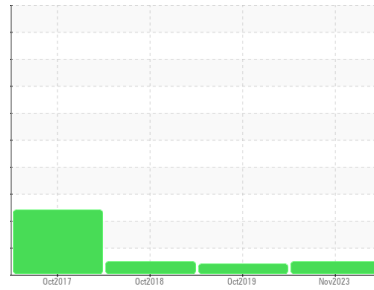




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**COOLING TOWERS**  
 Machine Id  
**CT-1**  
 Component  
**Gearbox**  
 Fluid  
**INSIGHT SGL 150 RED (3 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 component.

### 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>WC0884852</b>	WC04889092	WCI2314702
Sample Date	Client Info			<b>23 Nov 2023</b>	24 Oct 2019	26 Oct 2018
Machine Age	mths	Client Info		<b>12</b>	0	0
Oil Age	mths	Client Info		<b>12</b>	12	12
Oil Changed	Client Info			<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<b>7</b>	63	6
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	3	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	3
Lead	ppm	ASTM D5185m	>100	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m	>5	<b>---</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

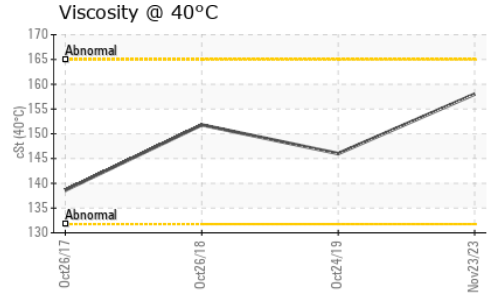
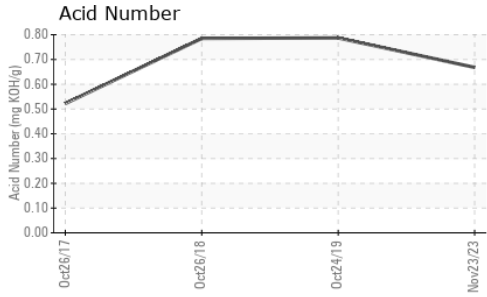
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	<1	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	2	<1
Calcium	ppm	ASTM D5185m		<b>6</b>	7	1
Phosphorus	ppm	ASTM D5185m		<b>234</b>	218	236
Zinc	ppm	ASTM D5185m		<b>34</b>	120	78
Sulfur	ppm	ASTM D5185m		<b>10051</b>	7293	6938

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>3</b>	9	<1
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	12	1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.668</b>	0.787	0.785



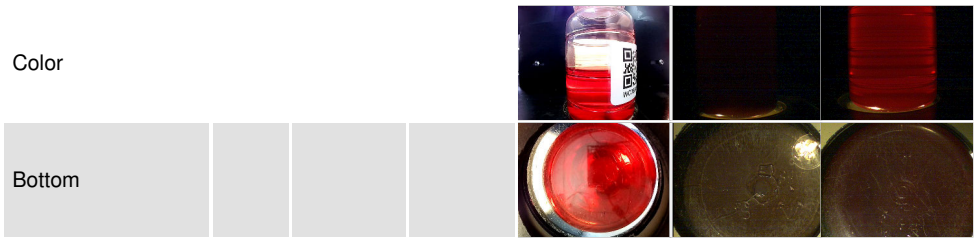
# OIL ANALYSIS REPORT



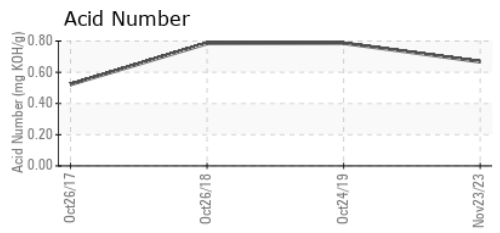
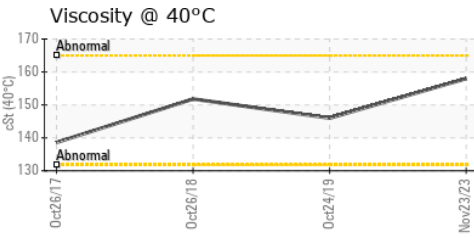
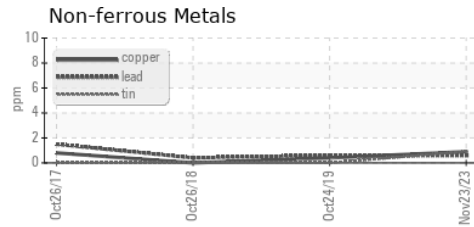
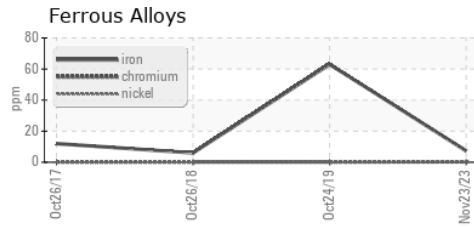
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ HEAVY
Sand/Dirt	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>158</b>	146	151.8

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0884852      **Received** : 20 May 2024  
**Lab Number** : **06184493**      **Tested** : 21 May 2024  
**Unique Number** : 11035819      **Diagnosed** : 22 May 2024 - Jonathan Hester  
**Test Package** : IND 2

**SOLVAY SPARTANBURG**  
 399 SIMS CHAPEL RD  
 SPARTANBURG, SC  
 US 29306  
 Contact: GREG BLACK  
 gregory.black@syensqo.com  
 T: (864)594-3270  
 F: (864)573-6972

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)