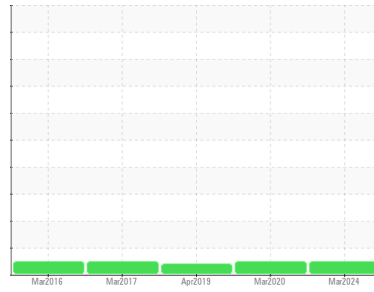




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**TF4**  
 Machine Id  
**T-41 AGITATOR**  
 Component  
**Gearbox**  
 Fluid  
**SHELL OMALA 150 (5 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>WC0904697</b>	WC0442595	WCI2344631
Sample Date	Client Info			<b>11 Mar 2024</b>	16 Mar 2020	02 Apr 2019
Machine Age	yrs	Client Info		<b>0</b>	1	0
Oil Age	yrs	Client Info		<b>0</b>	0	12
Oil Changed	Client Info			<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

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>50</b>	60	44
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m	>100	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	<1	<1
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

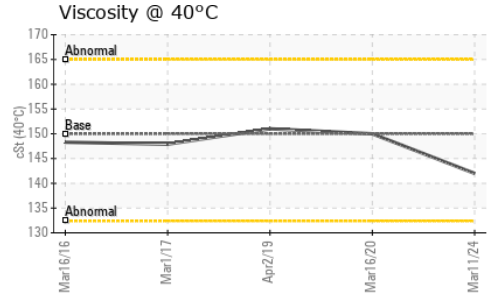
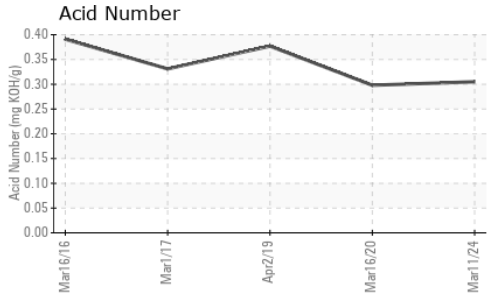
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6.2	<b>0</b>	8	8
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	5	3
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185m	0.0	<b>26</b>	74	126
Phosphorus	ppm	ASTM D5185m	512	<b>272</b>	265	300
Zinc	ppm	ASTM D5185m	3.8	<b>40</b>	101	66
Sulfur	ppm	ASTM D5185m	8167	<b>8545</b>	6956	9191

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>3</b>	2	4
Sodium	ppm	ASTM D5185m		<b>0</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	3

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.305</b>	0.298	0.377



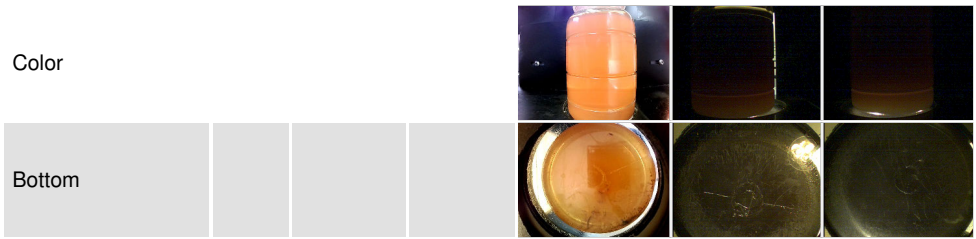
# OIL ANALYSIS REPORT



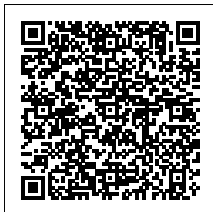
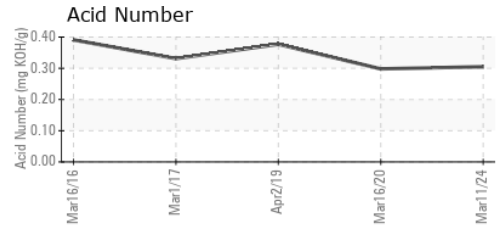
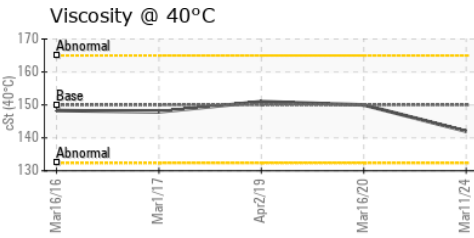
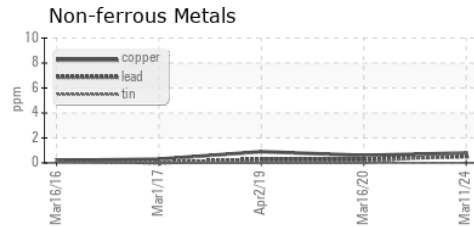
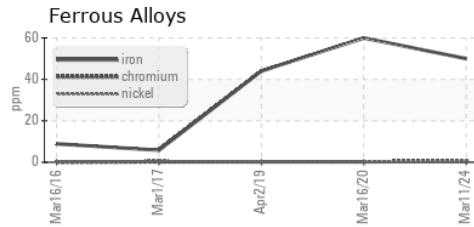
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	150	142	150

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0904697      **Received** : 20 May 2024  
**Lab Number** : 06184494      **Tested** : 21 May 2024  
**Unique Number** : 11035820      **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)