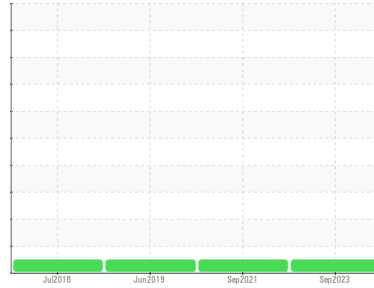




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**TECO WESTINGHOUSE WORLD SERIES INDUCTION MOTOR 702 MOTOR (S/N 2A92AA-02)**  
 Component  
**Front Pump**  
 Fluid  
**ROYAL PURPLE SYNFILM 32 (4 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>RP0026761</b>	RP0005017	RP184066
Sample Date	Client Info			<b>14 Sep 2023</b>	15 Sep 2021	10 Jun 2019
Machine Age	hrs	Client Info		<b>12600</b>	10369	5197
Oil Age	hrs	Client Info		<b>1137</b>	0	2776
Oil Changed	Client Info			<b>Not Chngd</b>	N/A	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

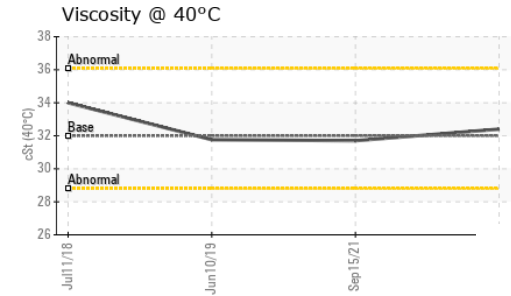
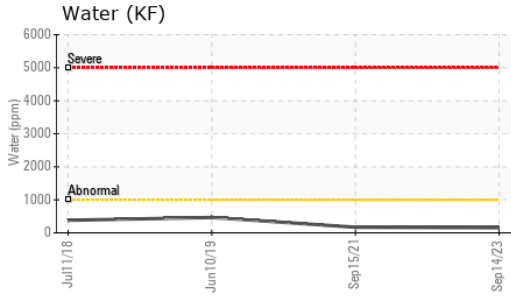
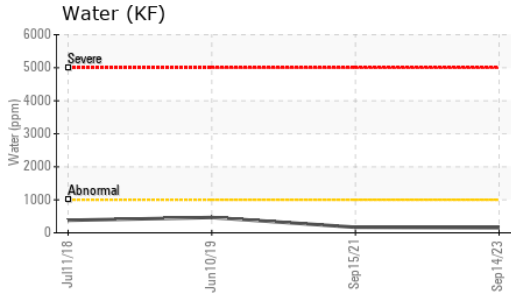
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	<b>0</b>	<1	0
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>7	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185m	>12	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>30	<b>3</b>	7	<1
Tin	ppm	ASTM D5185m	>9	<b>3</b>	4	1
Antimony	ppm	ASTM D5185m		<b>---</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</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>	4	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	90	<b>97</b>	57	84
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Phosphorus	ppm	ASTM D5185m		<b>0</b>	9	28
Zinc	ppm	ASTM D5185m		<b>0</b>	0	0

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	<b>4</b>	12	9
Sodium	ppm	ASTM D5185m		<b>1</b>	0	1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Water	%	ASTM D6304	>.1	<b>0.015</b>	0.016	0.046
ppm Water	ppm	ASTM D6304	>1000	<b>151.9</b>	169.0	465.0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.44</b>	0.327	0.330

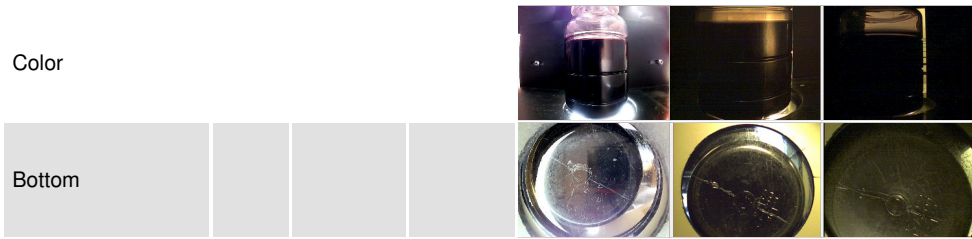
# OIL ANALYSIS REPORT



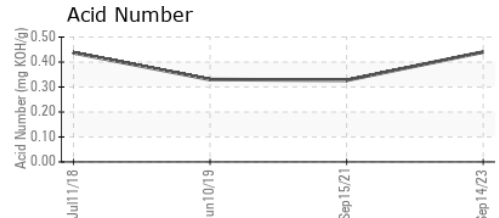
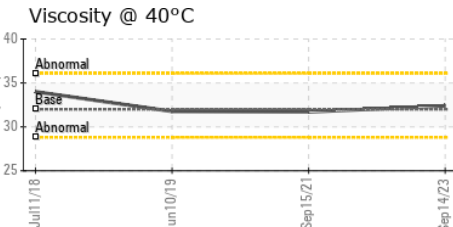
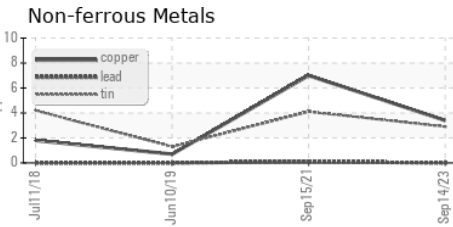
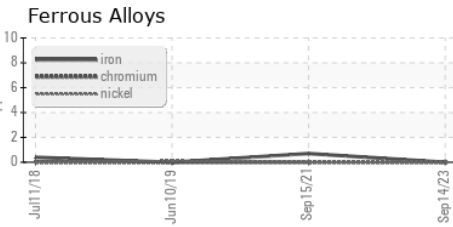
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	<b>32.4</b>	31.7

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.** : RP0026761 **Received** : 28 Sep 2023  
**Lab Number** : **05964256** **Diagnosed** : 01 Oct 2023  
**Unique Number** : 10670807 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**KINDER MORGAN**  
 5877 CR 210  
 SMILEY, TX  
 US 78159  
 Contact: JOHN EVANS  
 john\_evans@kindermorgan.com

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)