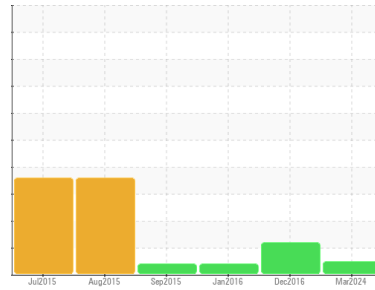




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id

**WEST COMP (S/N 90585)**

Component

**Compressor**

Fluid

**QUINSYN FLUSH & 10% PURE FLUSH (35 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>WC0909231</b>	WCI2282412	WCI2291129
Sample Date	Client Info		<b>14 Mar 2024</b>	19 Dec 2016	05 Jan 2016
Machine Age	hrs	Client Info	<b>84544</b>	22807	16906
Oil Age	hrs	Client Info	<b>308</b>	0	0
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	ATTENTION	ATTENTION

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>0</b>	3	2
Chromium	ppm	ASTM D5185m >10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	0
Lead	ppm	ASTM D5185m >25	<b>0</b>	<1	2
Copper	ppm	ASTM D5185m >50	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>0</b>	0	5
Antimony	ppm	ASTM D5185m	<b>---</b>	1	2
Vanadium	ppm	ASTM D5185m	<b>&lt;1</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	3
Barium	ppm	ASTM D5185m	<b>5</b>	37	<1
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Calcium	ppm	ASTM D5185m	<b>0</b>	4	1
Phosphorus	ppm	ASTM D5185m	<b>0</b>	2	8
Zinc	ppm	ASTM D5185m	<b>0</b>	3	1
Sulfur	ppm	ASTM D5185m	<b>68</b>	260	164

## CONTAMINANTS

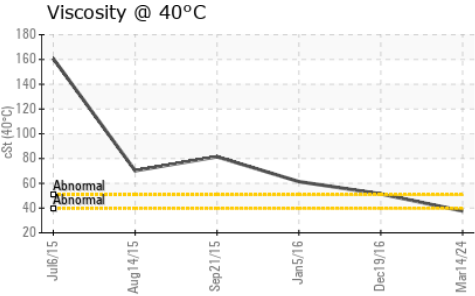
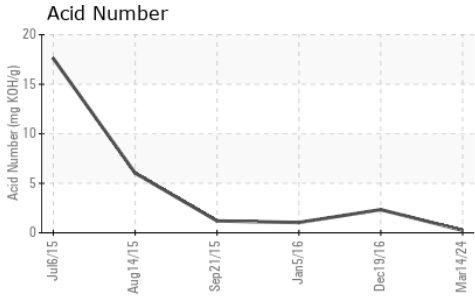
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>0</b>	2	2
Sodium	ppm	ASTM D5185m	<b>7</b>	11	8
Potassium	ppm	ASTM D5185m >20	<b>0</b>	3	2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.25</b>	2.34	1.04



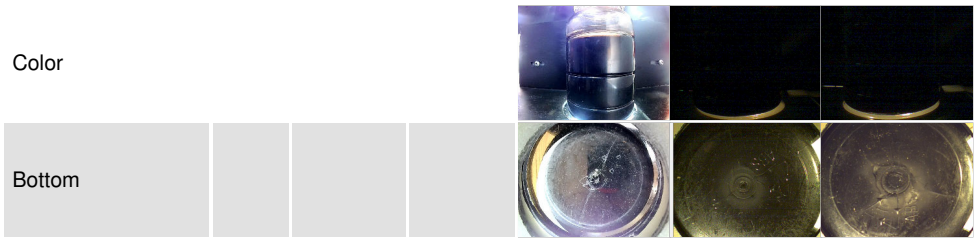
# OIL ANALYSIS REPORT



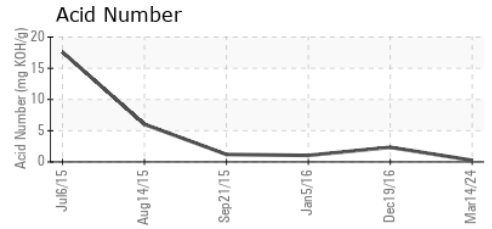
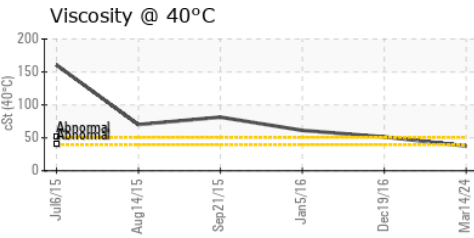
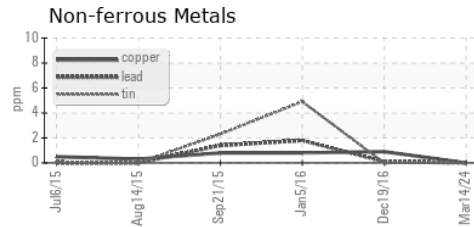
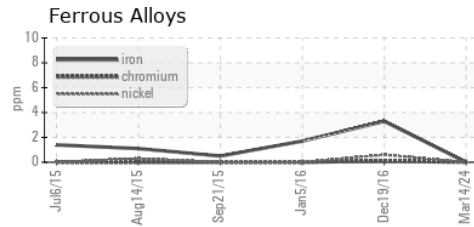
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>37.6</b>	51.41	61.35

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0909231      **Received** : 04 Apr 2024  
**Lab Number** : **06138647**      **Tested** : 05 Apr 2024  
**Unique Number** : 10963455      **Diagnosed** : 06 Apr 2024 - Don Baldrige  
**Test Package** : IND 2

**SOUTHERN MN BEET SUGAR**  
 83550 COUNTY ROAD 21  
 RENVILLE, MN  
 US 56284  
 Contact: DEWEY THEIN

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)

T: (320)329-3154  
F: (320)329-3154