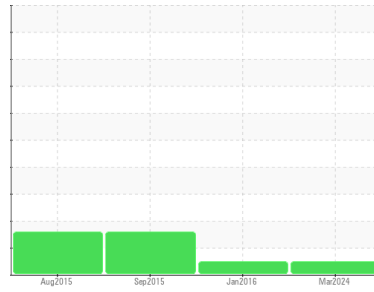




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**K20003 (S/N 96980)**

Component  
**Compressor**  
 Fluid  
**QUINSYN FLUSH & 10% PURE FLUSH (30 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>WC0909224</b>	WCI2291143	WCI2280902
Sample Date	Client Info		<b>28 Mar 2024</b>	05 Jan 2016	21 Sep 2015
Machine Age	hrs	Client Info	<b>35834</b>	23635	21095
Oil Age	hrs	Client Info	<b>332</b>	0	1000
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>0</b>	1	<1
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>0</b>	0	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	<1
Copper	ppm	ASTM D5185m >50	<b>0</b>	<1	1
Tin	ppm	ASTM D5185m >15	<b>0</b>	4	2
Antimony	ppm	ASTM D5185m	<b>---</b>	0	0
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	6
Barium	ppm	ASTM D5185m	<b>2</b>	160	114
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	0
Calcium	ppm	ASTM D5185m	<b>0</b>	4	3
Phosphorus	ppm	ASTM D5185m	<b>0</b>	10	16
Zinc	ppm	ASTM D5185m	<b>0</b>	32	97
Sulfur	ppm	ASTM D5185m	<b>143</b>	149	97

## CONTAMINANTS

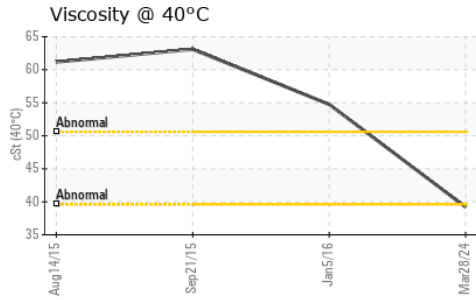
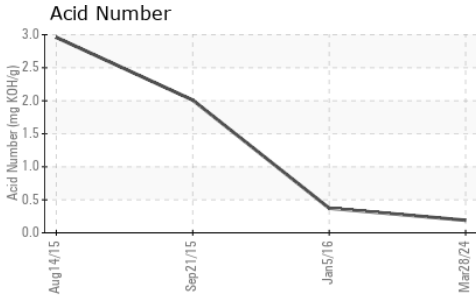
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>0</b>	1	2
Sodium	ppm	ASTM D5185m	<b>2</b>	19	24
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	6	3
Water	%	ASTM D6304 >0.1	<b>NEG</b>	NEG	NEG

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.19</b>	0.373	▲ 2.01



# OIL ANALYSIS REPORT



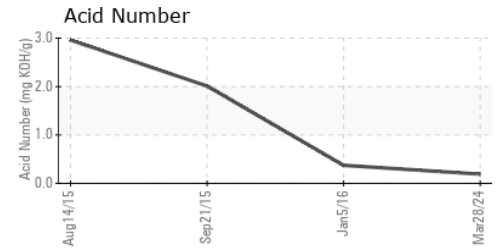
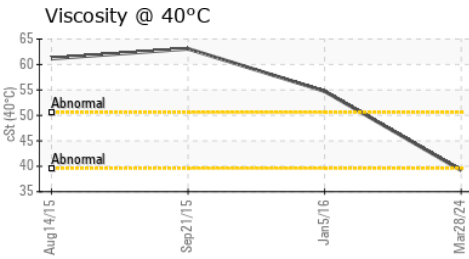
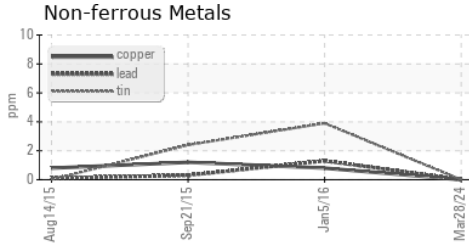
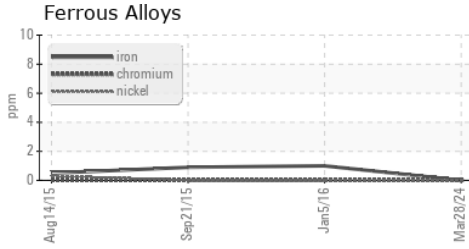
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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>39.2</b>	54.75	63.09

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.** : WC0909224      **Received** : 04 Apr 2024  
**Lab Number** : **06138644**      **Tested** : 06 Apr 2024  
**Unique Number** : 10963452      **Diagnosed** : 06 Apr 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**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)

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