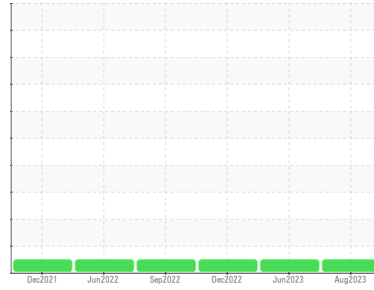




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**3 - GOODYEAR (S/N B6EU2E177)**

Component  
**Compressor**  
Fluid  
**NOT GIVEN (65 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

MPC (Membrane Patch Colorimetry) test indicates acceptable levels of varnish present. 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>WC0809788</b>	WC0809796	WC0745393
Sample Date	Client Info		<b>24 Aug 2023</b>	13 Jun 2023	30 Dec 2022
Machine Age	hrs	Client Info	<b>51318</b>	49715	45999
Oil Age	hrs	Client Info	<b>16388</b>	14725	11009
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	0
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0
Silver	ppm	ASTM D5185m		<b>0</b>	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	0
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0
Barium	ppm	ASTM D5185m		<b>4</b>	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0
Magnesium	ppm	ASTM D5185m		<b>0</b>	<1
Calcium	ppm	ASTM D5185m		<b>0</b>	0
Phosphorus	ppm	ASTM D5185m		<b>424</b>	470
Zinc	ppm	ASTM D5185m		<b>0</b>	0
Sulfur	ppm	ASTM D5185m		<b>112</b>	153

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>1</b>	<1
Sodium	ppm	ASTM D5185m		<b>0</b>	<1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0

## FLUID DEGRADATION

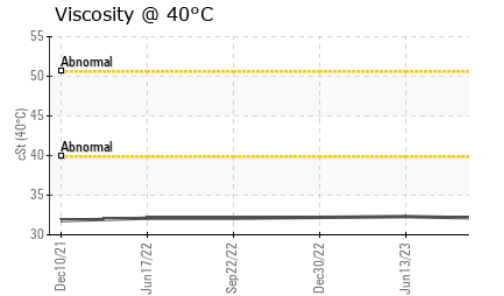
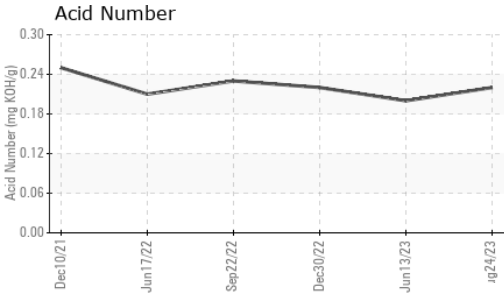
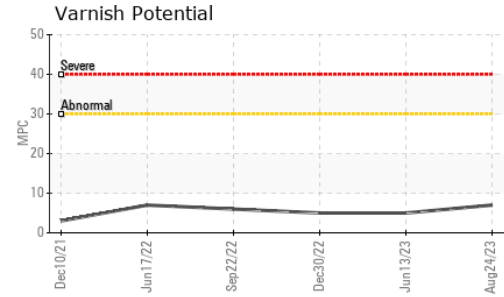
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.22</b>	0.20
MPC Varnish Potential	Scale	ASTM D7843	>15	<b>7</b>	5

## 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>NONE</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE
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	>0.1	<b>NEG</b>	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG

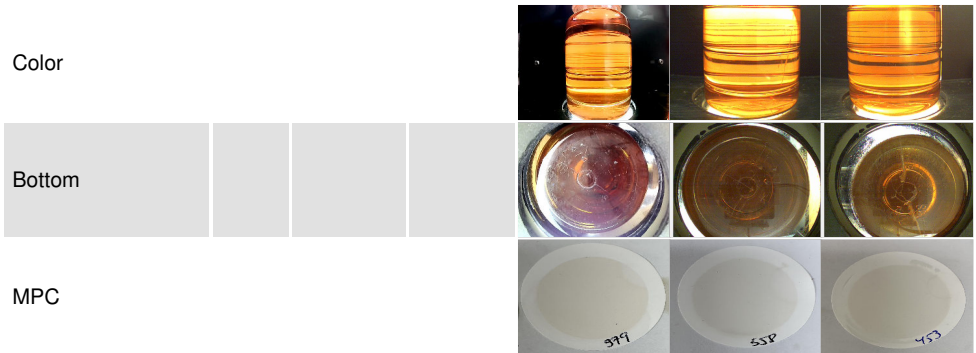


# OIL ANALYSIS REPORT

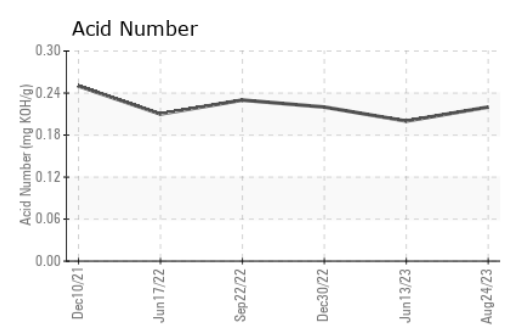
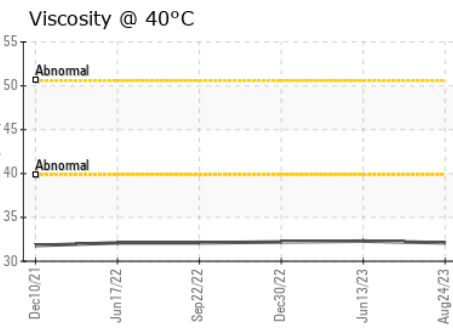
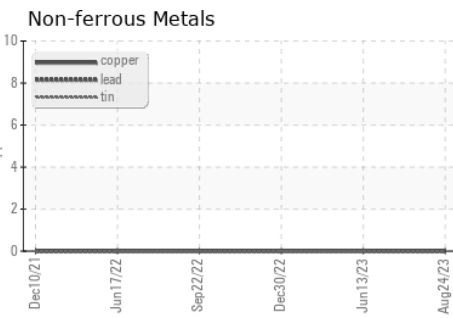
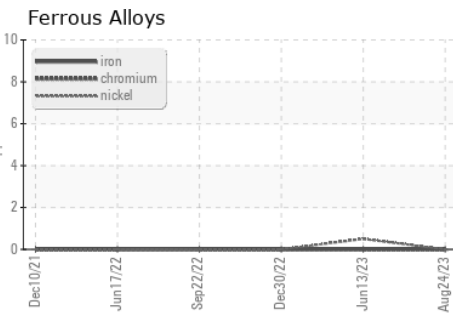


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>32.1</b>	32.3	32.2

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

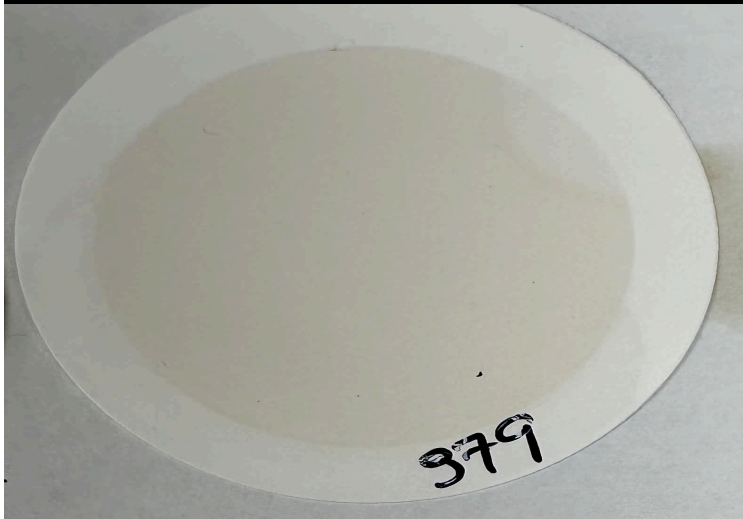


**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0809788 **Received** : 30 Aug 2023  
**Lab Number** : **05938379** **Diagnosed** : 07 Sep 2023  
**Unique Number** : 10628991 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: MPC )

**FS-COMPRESSION CO, LLC**  
 203 AERO COURT  
 GREENSBORO, NC  
 US 27409  
 Contact: Dallas Burcham  
 dallas.burcham@fs-compression.com  
 T: (336)605-9622  
 F: (336)605-9844

Certificate L2367  
 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)

MPC (Varnish Test)



Sample Color & Clarity



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