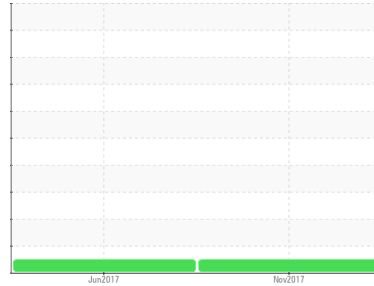




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**INSULATING/INS - LINE 12**  
 Machine Id  
**INSULATOR #12 EXTRUDER GBX-FEP (S/N 9187)**

Component  
**Gearbox**  
 Fluid  
**JAX SYNGEAR INDUSTRIAL GEAR ISO 220 (3 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

### 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>WCI2327729</b>	WCI2274585	---
Sample Date	Client Info			<b>21 Nov 2017</b>	14 Jun 2017	---
Machine Age	hrs	Client Info		<b>32632</b>	29944	---
Oil Age	hrs	Client Info		<b>6841</b>	70132	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<b>&lt;1</b>	<1	---
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>15	<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>0</b>	0	---
Lead	ppm	ASTM D5185m	>100	<b>1</b>	0	---
Copper	ppm	ASTM D5185m	>200	<b>2</b>	2	---
Tin	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Antimony	ppm	ASTM D5185m		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	---
Calcium	ppm	ASTM D5185m		<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185m		<b>434</b>	482	---
Zinc	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Sulfur	ppm	ASTM D5185m		<b>367</b>	1152	---

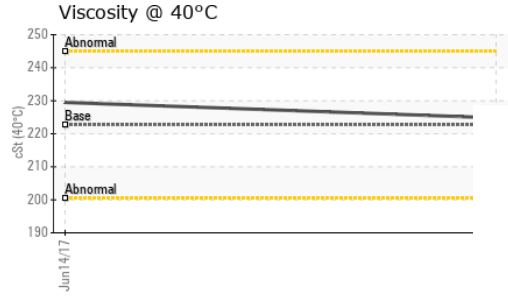
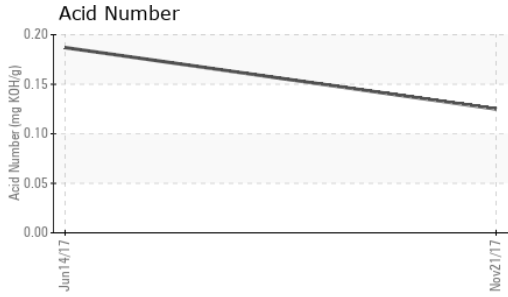
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>17</b>	13	---
Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.125</b>	0.187	---

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	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---



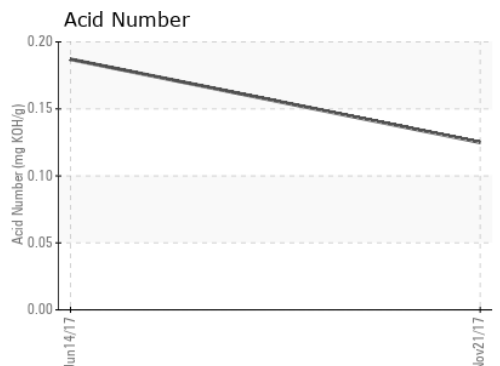
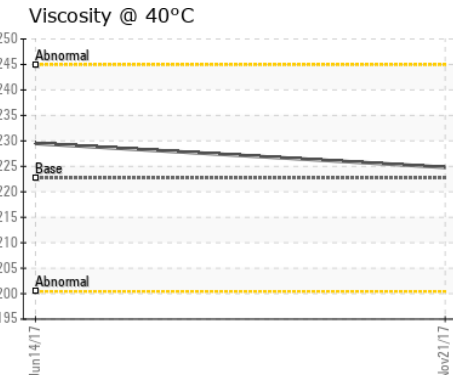
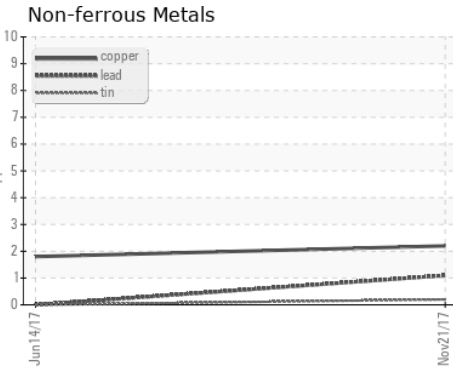
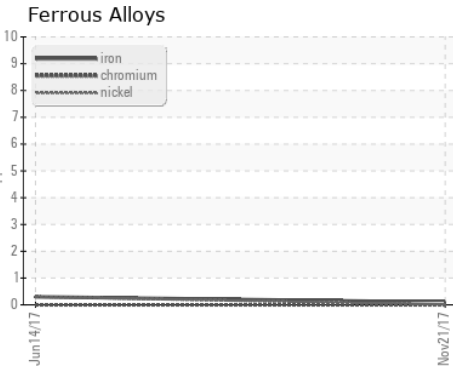
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	222.7	<b>224.8</b>	229.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC12327729 **Received** : 27 Nov 2017  
**Lab Number** : 04355977 **Diagnosed** : 20 Apr 2022  
**Unique Number** : 8014602 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**SUPERIOR TELECOMMUNICATIONS INC**  
 75 EAST STATE RD 4  
 HOISINGTON, KS  
 US 67544  
 Contact: BRIAN STEJSKAL  
 JON.FAZENBAKER@WEARCHECK.COM; brian.stejskal@spsx.com  
 T: (620)653-1957  
 F: (620)653-1956

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)