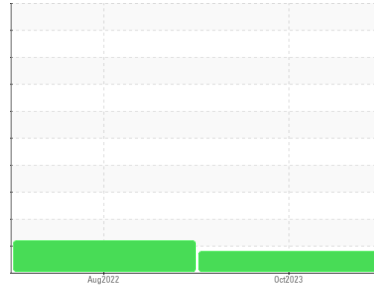


# PROBLEM SUMMARY

Sample Rating Trend



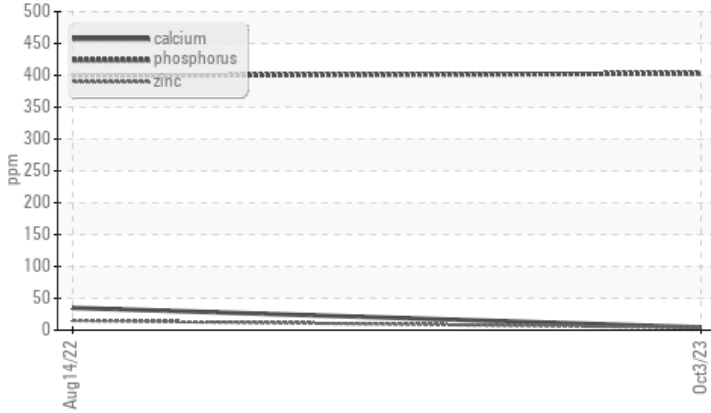
## ADDITIVES



Machine Id  
**08D**  
Component  
**Gear Extruder**  
Fluid  
**ESSO SPARTAN EP 320 (--- GAL)**

### COMPONENT CONDITION SUMMARY

#### ▲ Additives



### RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### PROBLEMATIC TEST RESULTS

Sample Status				<b>ATTENTION</b>	ATTENTION	---
Phosphorus	ppm	ASTM D5185(m)	250	▲ <b>403</b>	▲ 399	---
Sulfur	ppm	ASTM D5185(m)		▲ <b>1790</b>	▲ 5955	---

**Customer Id:** SHAREX  
**Sample No.:** AW0004019  
**Lab Number:** 02587319  
**Test Package:** IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Kevin Marson +1 (289)291-4644 x4644  
[Kevin.Marson@wearcheck.com](mailto:Kevin.Marson@wearcheck.com)

To change component or sample information:  
Gloria Gonzalez +1 (289)291-4643 x4643  
[gloria.gonzalez@wearcheck.com](mailto:gloria.gonzalez@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Information Required	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.
Check Fluid Source	---	---	?	Confirm the source of the lubricant being utilized for top-up/fill.

## HISTORICAL DIAGNOSIS

**14 Aug 2022 Diag: Kevin Marson**

### ADDITIVES



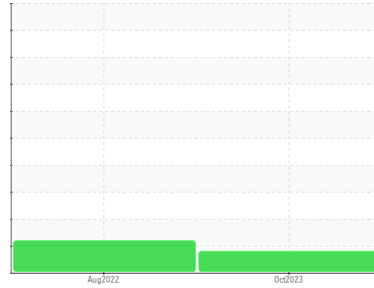
The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

view report



# OIL ANALYSIS REPORT

## Sample Rating Trend



## ADDITIVES



Machine Id

**08D**

Component

**Gear Extruder**

Fluid

**ESSO SPARTAN EP 320 (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### ▲ Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. 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>AW0004019</b>	AW0003992	---
Sample Date	Client Info		<b>03 Oct 2023</b>	14 Aug 2022	---
Machine Age	mths	Client Info	<b>0</b>	0	---
Oil Age	mths	Client Info	<b>0</b>	9	---
Oil Changed	Client Info		<b>N/A</b>	Changed	---
Sample Status			<b>ATTENTION</b>	ATTENTION	---

### WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m) >150	<b>3</b>	15	---
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185(m) >25	<b>0</b>	0	---
Lead	ppm	ASTM D5185(m) >100	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) .4	<b>2</b>	3	---
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m) 0	<b>0</b>	<1	---
Calcium	ppm	ASTM D5185(m) 0	<b>4</b>	▲ 35	---
Phosphorus	ppm	ASTM D5185(m) 250	▲ <b>403</b>	▲ 399	---
Zinc	ppm	ASTM D5185(m) 0	<b>4</b>	15	---
Sulfur	ppm	ASTM D5185(m)	▲ <b>1790</b>	▲ 5955	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

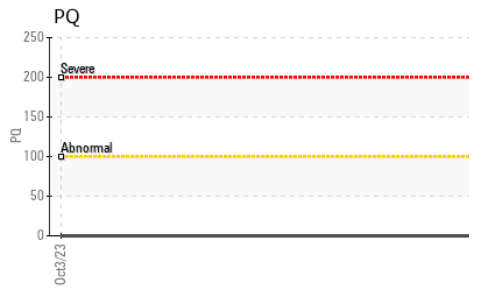
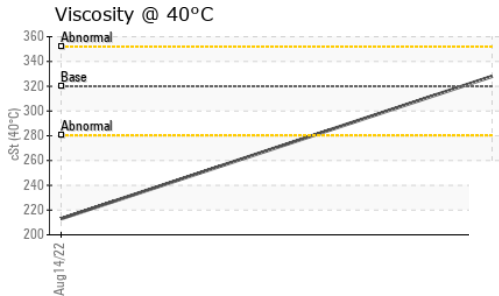
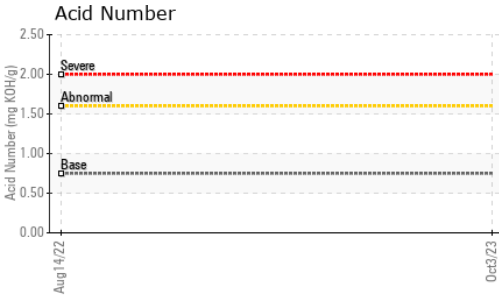
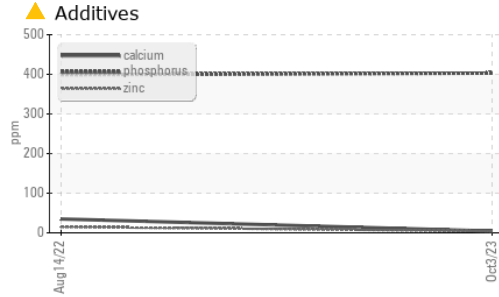
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>13</b>	9	---
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.75	<b>0.97</b>	---	---

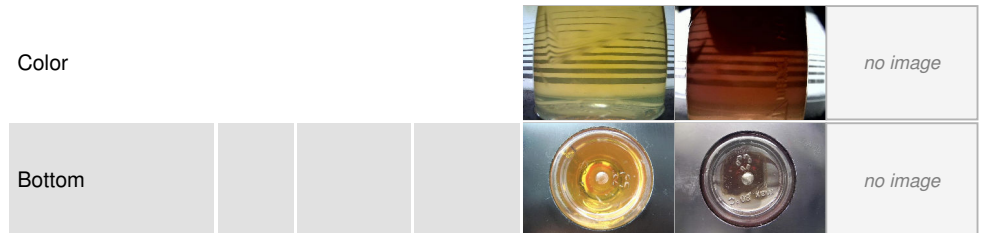
# OIL ANALYSIS REPORT



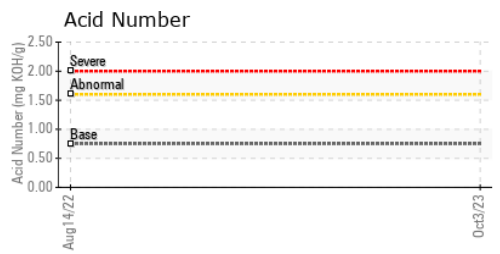
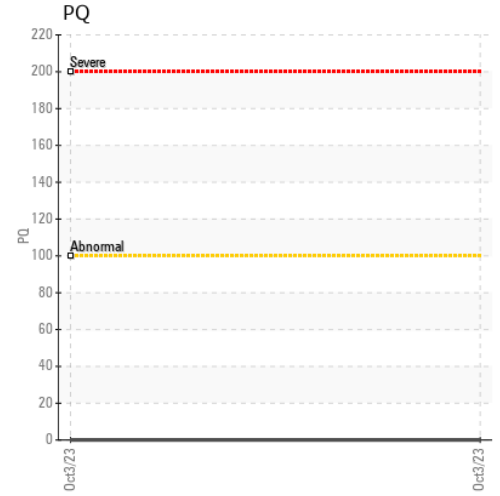
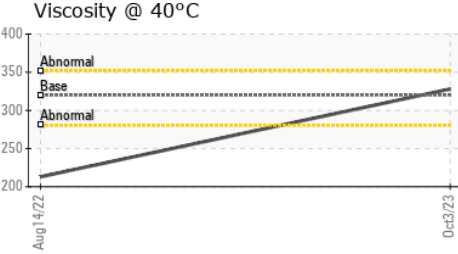
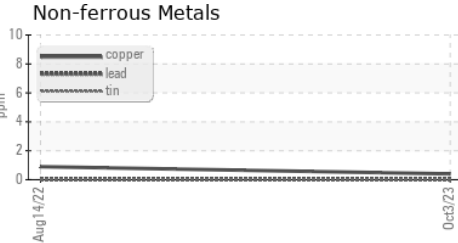
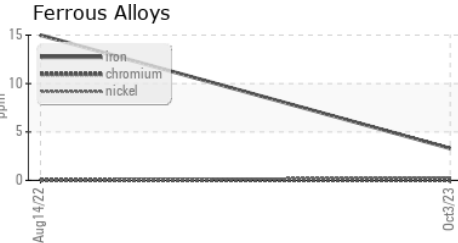
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	320	328	213

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : AW0004019 **Received** : 05 Oct 2023  
**Lab Number** : 02587319 **Diagnosed** : 06 Oct 2023  
**Unique Number** : 5656385 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

**SHAWFLEX INC.**  
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 TORONTO, ON  
 CA M9W 1M7  
 Contact: Robert Fuller  
 rfuller@shawflex.shawcor.com  
 T: (416)743-7111  
 F: (416)743-5060

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.