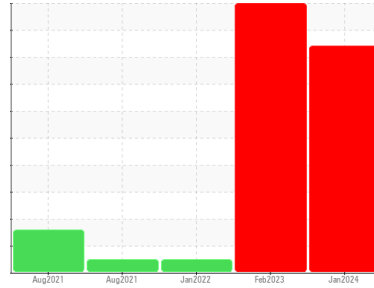


# OIL ANALYSIS REPORT

Area  
**PLANT**  
Machine Id  
**DEISTER 00357**  
Component  
**Drive End Bearing**  
Fluid  
**GEAR OIL (PAG) ISO 320 (--- GAL)**

Sample Rating Trend



## DIAGNOSIS

- Recommendation**  
We recommend an early resample to monitor this condition.
- Wear**  
Bearing and/or gear wear is indicated.
- 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>PCA0090539</b>	WC0721255	WC0542181
Sample Date	Client Info	<b>21 Jan 2024</b>	02 Feb 2023	31 Jan 2022
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>SEVERE</b>	SEVERE	NORMAL

## 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 >200	<b>588</b>	499	48
Chromium	ppm ASTM D5185m >5	<b>5</b>	5	<1
Nickel	ppm ASTM D5185m >5	<b>1</b>	<1	1
Titanium	ppm ASTM D5185m >5	<b>0</b>	0	0
Silver	ppm ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm ASTM D5185m >25	<b>3</b>	7	1
Lead	ppm ASTM D5185m >50	<b>26</b>	21	5
Copper	ppm ASTM D5185m >150	<b>225</b>	236	50
Tin	ppm ASTM D5185m >10	<b>18</b>	16	2
Antimony	ppm ASTM D5185m	<b>---</b>	---	<1
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 5	<b>0</b>	0	<1
Barium	ppm ASTM D5185m 5	<b>&lt;1</b>	0	0
Molybdenum	ppm ASTM D5185m 5	<b>0</b>	0	<1
Manganese	ppm ASTM D5185m	<b>6</b>	5	<1
Magnesium	ppm ASTM D5185m 5	<b>0</b>	0	<1
Calcium	ppm ASTM D5185m 5	<b>0</b>	<1	<1
Phosphorus	ppm ASTM D5185m 775	<b>1107</b>	1016	1092
Zinc	ppm ASTM D5185m 5	<b>7</b>	10	4
Sulfur	ppm ASTM D5185m 2000	<b>858</b>	1095	779

## CONTAMINANTS

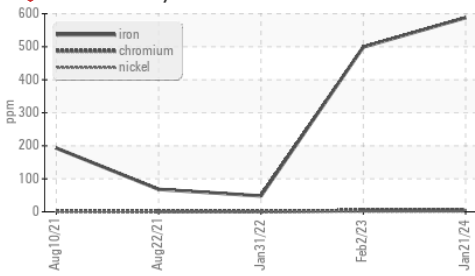
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>18</b>	28	8
Sodium	ppm ASTM D5185m	<b>1</b>	0	1
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	<1

## FLUID DEGRADATION

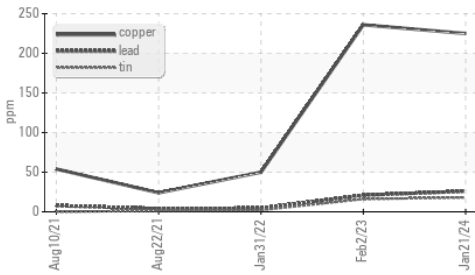
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 2.00	<b>0.19</b>	0.09	0.05

# OIL ANALYSIS REPORT

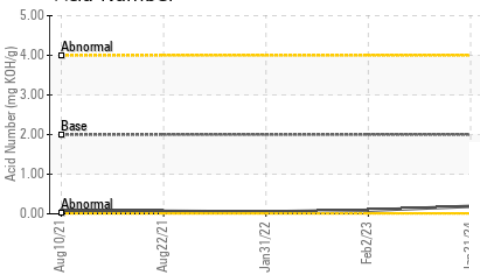
## Ferrous Alloys



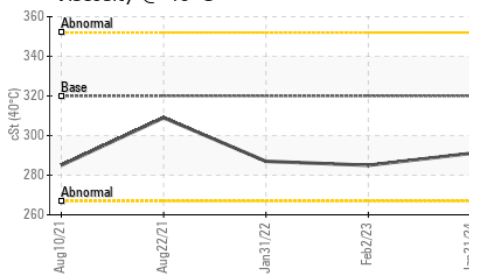
## Non-ferrous Metals



## Acid Number



## Viscosity @ 40°C



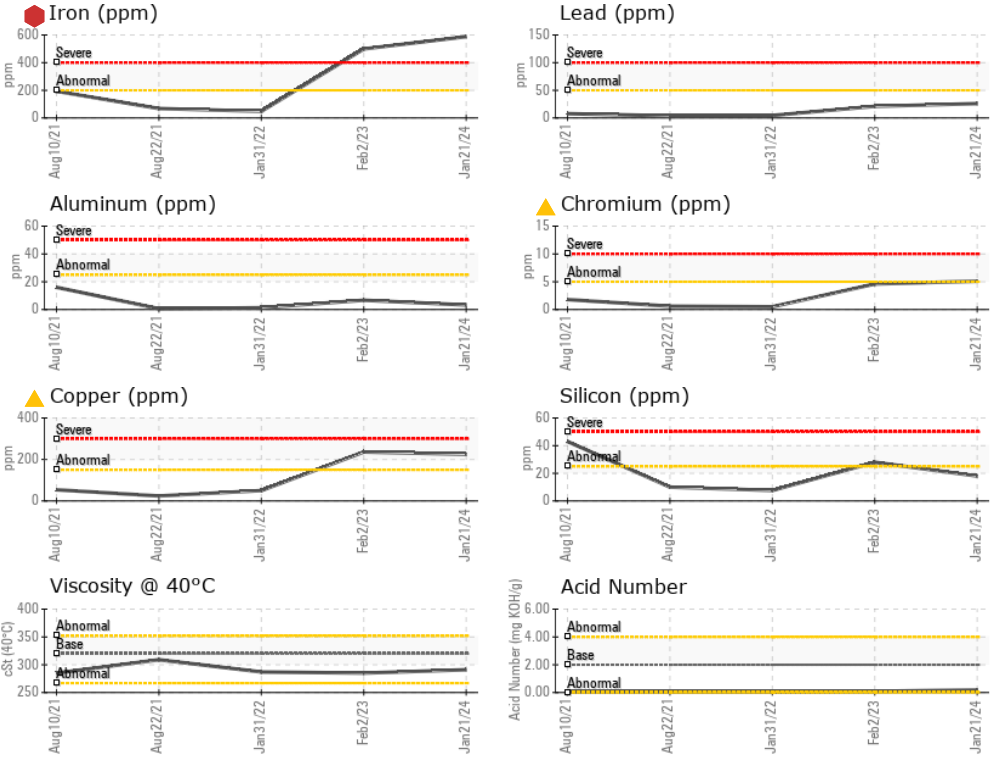
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	320	291	285

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0090539  
**Lab Number** : 06067847  
**Unique Number** : 10844524  
**Test Package** : MOB 2

**Received** : 22 Jan 2024  
**Tested** : 07 Feb 2024  
**Diagnosed** : 07 Feb 2024 - Doug Bogart

**LORUSSO BRISTOL STONE CORP**  
 611 PLEASANT ST  
 WEYMOUTH, MA  
 US 02189  
 Contact: JIM STOTT

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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