

## **PROBLEM SUMMARY**

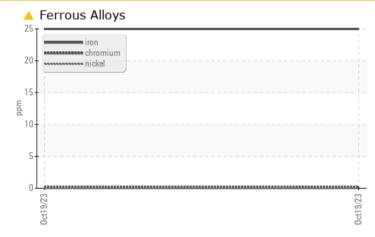
## Area **Preparation-Prep EB CALENDAR**

[Preparation-Prep EB CALENDAR] 360014005 - EB CALENDAR BUSHING LUBE SYSTEM

Component Lube System

## SHELL MORLINA S4 B 320 (--- GAL)

### COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status				ABNORMAL						
Iron	ppm	ASTM D5185m	>20	🔺 25						
Debris	scalar	*Visual	NONE	🔺 MODER						

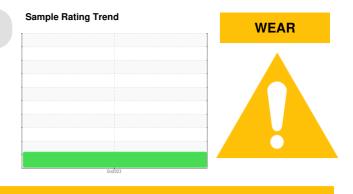
Customer Id: MICAND Sample No.: TLC0001084 Lab Number: 05998153 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



## **OIL ANALYSIS REPORT**

#### Area Preparation-Prep EB CALENDAR Machine-Id IPronaration-Pron EB CALENDAR 360014005 - EB CALENDAR RUSHING LUBE SVG

[Preparation-Prep EB CALENDAR] 360014005 - EB CALENDAR BUSHING LUBE SYSTEM

Lube System

SHELL MORLINA S4 B 320 (--- GAL)

### DIAGNOSIS

#### Recommendation

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

## 🔺 Wear

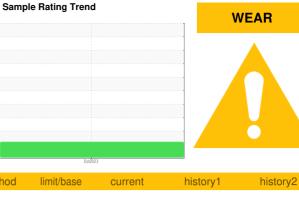
The iron level is abnormal. All other component wear rates are normal.

#### Contamination

Moderate concentration of visible dirt/debris present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001084		
Sample Date		Client Info		19 Oct 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		22		
Iron	ppm	ASTM D5185m	>20	<u> </u>		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	2		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
	pp			-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		20		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		2		
Phosphorus	ppm	ASTM D5185m		42		
Zinc	ppm	ASTM D5185m		22		
Sulfur	ppm	ASTM D5185m		7299		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1		
Sodium	ppm	ASTM D5185m		14		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.42		
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			
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.05	NEG		
-	Joanur				0 1 10 10	

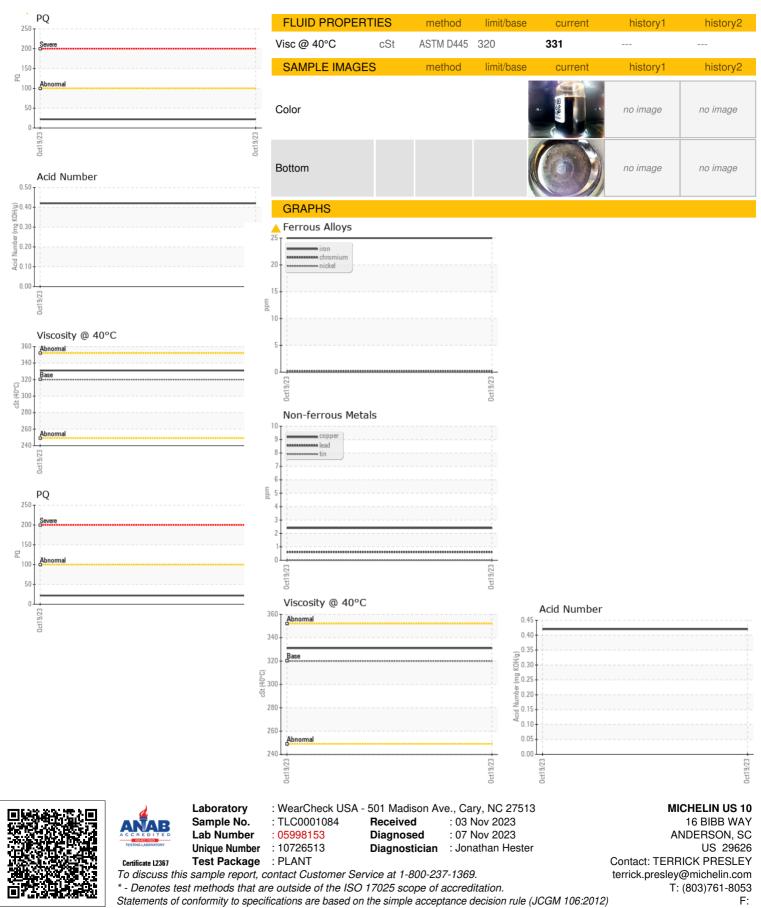
NEG

scalar \*Visual

Page 3 of 4



# **OIL ANALYSIS REPORT**



Page 4 of 4