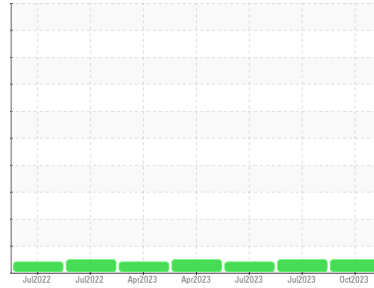




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area

## Preparation-Prep EB CALENDAR

Machine Id

[Preparation-Prep EB CALENDAR] 360014041 - EB CALENDAR MAIN GEARBOX

Component

**Gearbox**

Fluid

**SHELL OMALA S2 GX 320 (530 Kg)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### 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>TLC0001085</b>	TLC0001305	TLC0001302
Sample Date	Client Info			<b>19 Oct 2023</b>	11 Jul 2023	11 Jul 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ATTENTION

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>8</b>	14	14
Iron	ppm	ASTM D5185m	>200	<b>23</b>	17	13
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m	>100	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	3	<1
Tin	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6.2	<b>0</b>	2	<1
Barium	ppm	ASTM D5185m	0.0	<b>20</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>3</b>	0	0
Calcium	ppm	ASTM D5185m	0.0	<b>7</b>	5	10
Phosphorus	ppm	ASTM D5185m	290	<b>257</b>	18	294
Zinc	ppm	ASTM D5185m	3.8	<b>15</b>	12	6
Sulfur	ppm	ASTM D5185m	8167	<b>14221</b>	8813	18098

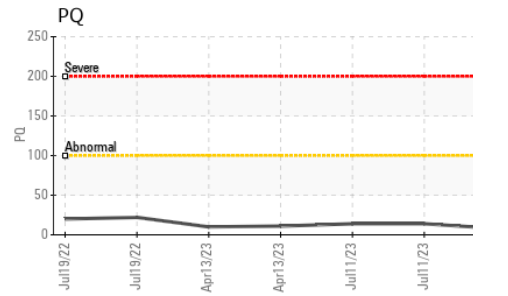
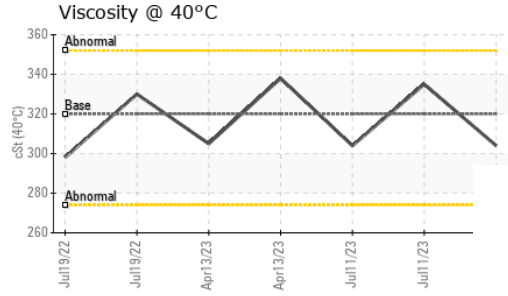
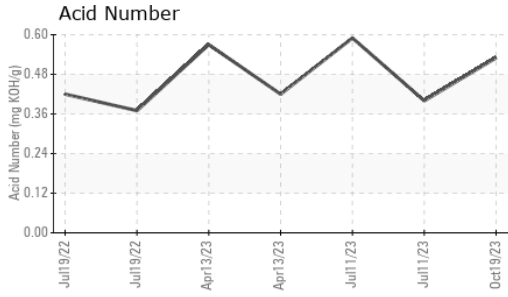
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>2</b>	1	2
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	10	1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	3

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.53</b>	0.40	0.59

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

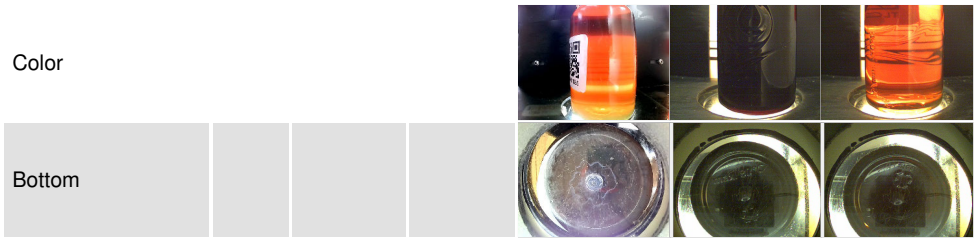


# OIL ANALYSIS REPORT

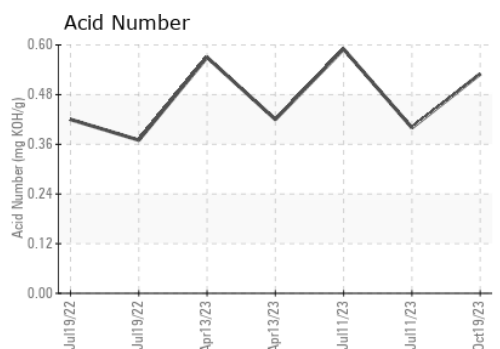
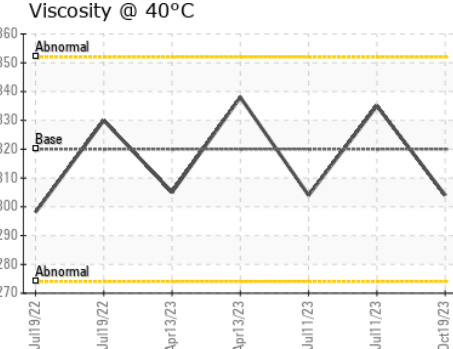
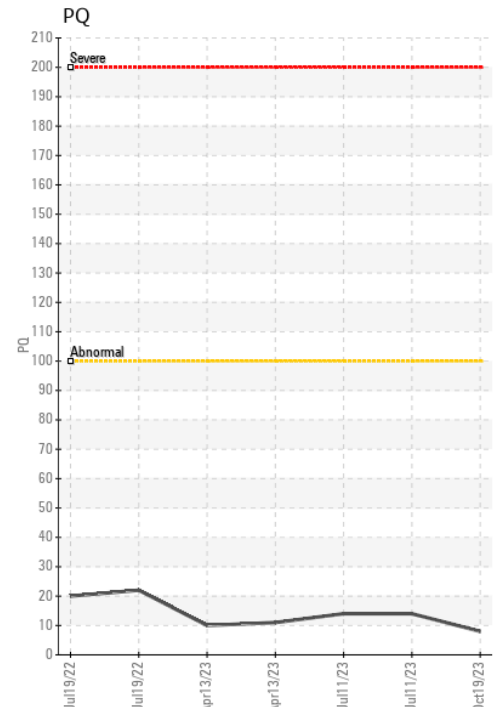
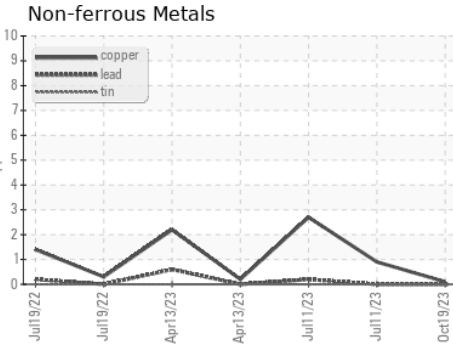
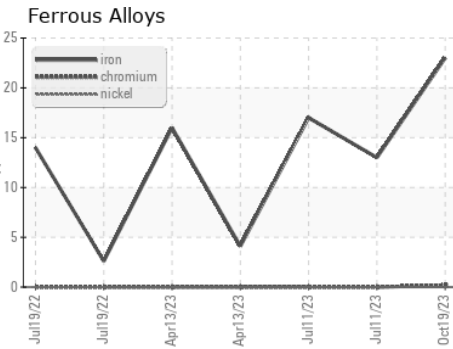


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	<b>304</b>	335	▲ 304

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TLC0001085 **Received** : 03 Nov 2023  
**Lab Number** : **05998147** **Diagnosed** : 06 Nov 2023  
**Unique Number** : 10726507 **Diagnostician** : Wes Davis  
**Test Package** : PLANT

**MICHELIN US 10**  
 16 BIBB WAY  
 ANDERSON, SC  
 US 29626

Contact: TERRICK PRESLEY  
 terrick.presley@michelin.com  
 T: (803)761-8053  
 F:

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)