

# LABORATORY ANALYSIS



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Department **REYLAM - TOOL ROOM**  
 Equipment No. **GRINDTR03 LINEAR GRINDER (X0037)**  
 System **Grinding Fluid**  
 Oil Type **ENGINEERED LUBRICANTS ENCOOL SOL-6465GF-ND-XL-RO (--- GAL)**

**COPELAND (MHDS)**  
 6001 S. 35TH STREET, SUITE D"  
 REYNOSA, ZZ  
 US  
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## Diagnosis

{not applicable} There is no indication of any contamination in the grinding fluid. Ratio is slightly strong.

## Sample Information

Lab Number	New	<b>2403-00263</b>	2402-00428	2312-01092
Date of Sample	(Typical)	<b>06 Mar 2024</b>	08 Feb 2024	20 Dec 2023
Oil Added		<b>UNK</b>	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		<b>42.1</b>	41.3	39.7
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		<b>NORMAL</b>	ABNORMAL	NORMAL

## RATIO PER REFRACTOMETER

Refract. Reading		<b>3.1</b>	3.4	2.4
Refract. Model		<b>DIGITAL</b>	DIGITAL	DIGITAL
Refract. Ratio	oil:water	<b>■ 9:1</b>	▲ 8:1	■ 12:1

## pH (ASTM E-70)

pH	Scale 0-14	<b>■ 8.9</b>	■ 8.7	■ 8.9
Ratio Rec'd	oil:water	<b>AS REC'D</b>	AS REC'D	AS REC'D

## HARDNESS (mg/L CaCO3)

Hardness (CaCO3)	mg/L	<b>16.6</b>	23.2	20.7
Grains		<b>&lt;1.0</b>	1.4	1.2

## BACTERIA COUNT (Class Range 0 to 6)

Bacteria Class	Scale 0-6	<b>■ 1</b>	■ 2	■ 0
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## FUNGUS COUNT (Class Ranges: Yeast 0 to 4/Mold 0 to 3)

Yeast Class	Scale 0-4	<b>■ 1</b>	▲ 2	■ 0
Mold Class	Scale 0-3	<b>■ 1</b>	■ 0	■ 0

## Contamination

Water	<b>NEG</b>	NEG	NEG
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Customer Id: MOTMCA  
 Sample No.: EN24030263  
 Lab Number: 24030263  
 Test Package: TEST



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# FUEL REPORT