

# LABORATORY ANALYSIS



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Department **REYLAM - DIECAST**  
 Equipment No. **QUEN08 DIECAST QUENCH TANK (X0064)**  
 System **Quenching 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 quenching fluid. The condition of the quenching fluid is suitable for service.

## SAMPLE INFORMATION

Lab Number	New	2310-00651	2309-00655	2308-00881
Date of Sample	(Typical)	<b>10 Oct 2023</b>	14 Sep 2023	09 Aug 2023
Oil Added		<b>UNK</b>	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		<b>37.4</b>	36.6	35.4
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		<b>NORMAL</b>	SEVERE	SEVERE

## RATIO PER REFRACTOMETER

Refract. Reading		<b>3.5</b>	1.1	1.9
Refract. Model		<b>DIGITAL</b>	DIGITAL	DIGITAL
Refract. Ratio	oil:water	<b>8:1</b>	26:1	15:1

## PH (ASTM E-70)

pH	Scale 0-14	<b>8.9</b>	8.5	8.6
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>103.2</b>	129.6	123.8
Grains		<b>6.1</b>	7.6	7.3

## CIC CORROSION

CIC Dilution		<b>AS REC'D</b>	AS REC'D	AS REC'D
CIC Corrosion	%	<b>0.0</b>	0.0	0.0

## GRAVIMETRIC, MG/L

Filter Micron	μ	<b>0.45</b>	0.45	0.45
Gravimetric	mg/L	<b>4</b>	6	22

## BACTERIA COUNT (CLASS RANGE 0 TO 6)

Bacteria Class	Scale 0-6	<b>0</b>	4	3
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## FUNGUS COUNT (CLASS RANGES: YEAST 0 TO 4/MOLD 0 TO 3)

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

## ENERGY DISPERSIVE XRF (\*BELOW MINIMUM DETECTION LIMIT)

ppm Chlorine (Cl)	ppm	*	*	*
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## CONTAMINATION

Water		<b>NEG</b>	NEG	NEG
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Customer Id: MOTMCA  
 Sample No.: EN23100651  
 Lab Number: 23100651  
 Test Package: TEST



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# FUEL REPORT