

# LABORATORY ANALYSIS



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Department **REYLAM - DIECAST**  
 Equipment No. **QUEN06 DIECAST QUENCH TANK (X0040)**  
 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	<b>2404-00432</b>	2403-00246	2402-00412
Date of Sample	(Typical)	<b>03 Apr 2024</b>	06 Mar 2024	08 Feb 2024
Oil Added		<b>UNK</b>	UNK	UNK
Last Drain Date		--	--	--
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		<b>NORMAL</b>	NORMAL	ABNORMAL

## RATIO PER REFRACTOMETER

Refract. Reading		<b>2.7</b>	2.9	2.4
Refract. Model		<b>DIGITAL</b>	DIGITAL	DIGITAL
Refract. Ratio	oil:water	<b>10:1</b>	9:1	12:1

## pH (ASTM E-70)

pH	Scale 0-14	<b>9.0</b>	9.1	▲ 8.8
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>48.7</b>	23.2	37.2
Grains		<b>2.9</b>	1.4	2.2

## BACTERIA COUNT (Class Range 0 to 6)

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

Yeast Class	Scale 0-4	<b>1</b>	0	1
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.: EN24040432  
 Lab Number: 24040432  
 Test Package: TEST



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# FUEL REPORT