

# LABORATORY ANALYSIS



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**COPELAND (MHDS)**  
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Department **REYLAM - DIECAST**  
Equipment No. **IHS05 INDUCTION FURNACE(DIECAST 5) (X0062)**  
System **Unknown Component**  
Oil Type **ENGINEERED LUBRICANTS EL-IHS-DISTILLED WATER (--- GAL)**

## DIAGNOSIS

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is no indication of any contamination in the sample. The condition of the sample is acceptable for the time in service.

## SAMPLE INFORMATION

Lab Number	New	<b>2401-00423</b>	2310-00511	2008-00694
Date of Sample	(Typical)	<b>10 Jan 2024</b>	27 Sep 2023	11 Aug 2020
Oil Added		<b>UNK</b>	UNK	UNK
Last Drain Date		--	--	--
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## PH (ASTM E-70)

pH	Scale 0-14	<b>9.7</b>	6.6	6.9
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>&lt;6.6</b>	<6.6	<6.6
Grains		<b>&lt;1.0</b>	<1.0	<1.0

## BACTERIA COUNT (CLASS RANGE 0 TO 6)

Bacteria Class	Scale 0-6	<b>1</b>	0	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>	0	0
Mold Class	Scale 0-3	<b>0</b>	0	0

## CONDUCTIVITY OF WATER

Conductivity	Micromhos	<b>218.0</b>	29.3	27.9
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## CONTAMINATION

Water		<b>NEG</b>	NEG	NEG
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Customer Id: MOTMCA  
Sample No.: EN24010423  
Lab Number: 24010423  
Test Package: TEST



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To discuss the diagnosis or test data:  
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# FUEL REPORT