

LABORATORY ANALYSIS



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Department **REYLAM - DIECAST**
 Equipment No. **GRIND04 ROTOR 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

Add make up dilution of 50:1 ENGINEERED LUBRICANTS ENCOOL SOL-6465GF-ND-XL-RO lean dilution until reaching recommended dilution of 15. The desired refractometer reading for this reservoir is 2.01.(not applicable) There is no indication of any contamination in the grinding fluid. Ratio is slightly strong.

SAMPLE INFORMATION

Lab Number	New	2310-00643	2309-00647	2308-00873
Date of Sample	(Typical)	10 Oct 2023	14 Sep 2023	09 Aug 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		ABNORMAL	SEVERE	ABNORMAL

RATIO PER REFRACTOMETER

Refract. Reading		3.4	1.4	1.9
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	▲ 8:1	● 21:1	■ 15:1

PH (ASTM E-70)

pH	Scale 0-14	■ 8.9	■ 8.8	■ 8.8
Ratio Rec'd	oil:water	AS REC'D	AS REC'D	AS REC'D

HARDNESS (MG/L CaCO3)

Hardness (CaCO3)	mg/L	18.2	38.2	145.2
Grains		1.1	2.2	8.5

CIC CORROSION

CIC Dilution		AS REC'D	AS REC'D	AS REC'D
CIC Corrosion	%	■ 0.0	■ 0.0	■ 0.0

GRAVIMETRIC, MG/L

Filter Micron	μ	0.45	0.45	0.45
Gravimetric	mg/L	■ 18	■ 4	■ 16

BACTERIA COUNT (CLASS RANGE 0 TO 6)

Bacteria Class	Scale 0-6	■ 0	▲ 4	▲ 3
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FUNGUS COUNT (CLASS RANGES: YEAST 0 TO 4/MOLD 0 TO 3)

Yeast Class	Scale 0-4	■ 0	■ 1	■ 1
Mold Class	Scale 0-3	■ 0	■ 0	■ 0

ENERGY DISPERSIVE XRF (*BELOW MINIMUM DETECTION LIMIT)

ppm Chlorine (Cl)	ppm	*	*	*
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CONTAMINATION

Water		NEG	NEG	NEG
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Customer Id: MOTMCA
 Sample No.: EN23100643
 Lab Number: 23100643
 Test Package: TEST



To manage this report scan the QR code

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FUEL REPORT