LABORATORY ANALYSIS

ENGINEERED LUBRICANTS

Department	**REYLAM - DIECAST**
Equipment No.	**GRIND02 ROTOR GRINDER (DIECAST 2) (X0015)**
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
Contact: GERARDO GUERRERO
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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 15:1. 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	**2406-00461**	2405-00591	2404-00425
Date of Sample		(Typical)	**12 Jun 2024**	08 May 2024	03 Apr 2024
Oil Added			**UNK**	UNK	UNK
Last Drain Date			**--**	--	--
Months on Sample			**45.3**	44.2	43.0
Last Filter Service			**--**	--	--
Sample Point			**---**	---	---
Sample Status			**ABNORMAL**	NORMAL	ABNORMAL

RATIO PER REFRACTOMETER

Refract. Reading			**2.9**	2.4	3.1
Refract. Model			**DIGITAL**	DIGITAL	DIGITAL
Refract. Ratio	oil:water		▲ **9:1**	▢ 12:1	▲ 9:1

pH (ASTM E-70)

pH	Scale 0-14		▢ **9.0**	▢ 9.2	▢ 9.1
Ratio Rec`d	oil:water		**AS REC'D**	AS REC'D	AS REC'D

HARDNESS (mg/L CaCO3)

Hardness (CaCO3)	mg/L		**48.7**	73.3	28.2
Grains			**2.9**	4.3	1.7

BACTERIA COUNT (Class Range 0 to 6)

Bacteria Class	Scale 0-6		▢ **0**	▢ 0	▢ 0

FUNGUS COUNT (Class Ranges: Yeast 0 to 4/Mold 0 to 3)

Yeast Class	Scale 0-4		▢ **0**	▢ 0	▢ 0
Mold Class	Scale 0-3		▢ **0**	▢ 0	▢ 0

ENERGY DISPERSIVE XRF (*BELOW MINIMUM DETECTION LIMIT)

ppm Chlorine (Cl)	ppm		*	*	*

Contamination

Water			**NEG**	NEG	NEG

Customer Id: MOTMCA
Sample No.: EN24060461
Lab Number: 24060461
Test Package: TEST

To manage this report scan the QR code

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