

LABORATORY ANALYSIS



11525 Rock Island Court, St. Louis, MO 63043
Tel: 1-800-876-0008 info@englube.com

COPELAND (MHDS)
6001 S. 35TH STREET, SUITE D"
REYNOSA, ZZ
US
Contact: GERARDO GUERRERO
francisco.castillo@Copeland.com
T:
F:

Department **REYLAM - DIECAST**
Equipment No. **QUEN10 DIECAST QUENCH TANK (X0068)**
System **Quenching Fluid**
Oil Type **ENGINEERED LUBRICANTS ENCOOL SOL-6465GF-ND-XL-RO (--- GAL)**

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	2310-00653	2309-00657	2308-00883
Date of Sample	(Typical)	10 Oct 2023	14 Sep 2023	09 Aug 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		37.4	36.6	35.4
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		NORMAL	SEVERE	SEVERE

RATIO PER REFRACTOMETER

Refract. Reading		3.3	1.1	1.9
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	8:1	26:1	15:1

PH (ASTM E-70)

pH	Scale 0-14	9.1	8.5	8.6
Ratio Rec'd	oil:water	AS REC'D	AS REC'D	AS REC'D

HARDNESS (MG/L CaCO3)

Hardness (CaCO3)	mg/L	21.5	129.6	130.4
Grains		1.3	7.6	7.7

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	4	6	26

BACTERIA COUNT (CLASS RANGE 0 TO 6)

Bacteria Class	Scale 0-6	0	4	2
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FUNGUS COUNT (CLASS RANGES: YEAST 0 TO 4/MOLD 0 TO 3)

Yeast Class	Scale 0-4	0	3	2
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.: EN23100653
Lab Number: 23100653
Test Package: TEST



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To discuss the diagnosis or test data:
Brian Klutenkamper +1 (314)872-9540
bklutenkamper@englube.com

To change component or sample information:
Tracy Weaks +1 (314)872-9540
tweaks@englube.com

FUEL REPORT