

LABORATORY ANALYSIS



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Department **REYLAM - DIECAST**
 Equipment No. **PROTECH05 IHS ANNEAL QUENCH (X0086)**
 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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 T:
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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 10:1. The desired refractometer reading for this reservoir is 3.02.(not applicable) There is no indication of any contamination in the quenching fluid. Ratio is too strong. Total amine content is out of range. Tertiary amine content is out of range. Primary amine content is out of range.

SAMPLE INFORMATION

Lab Number	New	2402-00421	2207-00498	2107-00464
Date of Sample	(Typical)	08 Feb 2024	05 Jul 2022	30 Jun 2021
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		41.3	22.5	10.6
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		SEVERE	NORMAL	NORMAL

RATIO PER REFRACTOMETER

Refract. Reading		15.7	2.8	2.3
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	1:1	10:1	12:1

PH (ASTM E-70)

pH	Scale 0-14	9.0	9.0	8.8
Ratio Rec'd	oil:water	AS REC'D	AS REC'D	AS REC'D

HARDNESS (MG/L CaCO3)

Hardness (CaCO3)	mg/L	31.6	27.3	42.9
Grains		1.9	1.6	2.5

TOTAL AMINE

Total	mmol/gram	0.77	0.16	0.12
Tertiary	mmol/gram	0.58	0.11	0.08
Primary	mmol/gram	0.19	0.05	0.04

BACTERIA COUNT (CLASS RANGE 0 TO 6)

Bacteria Class	Scale 0-6	0	0	0
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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	*	*	*
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CONTAMINATION

Water		NEG	NEG	NEG
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Customer Id: MOTMCA
 Sample No.: EN24020421
 Lab Number: 24020421
 Test Package: TEST



To manage this report scan the QR code

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FUEL REPORT