LABORATORY ANALYSIS



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COPELAND (MHDS)

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T: F:

Department REYLAM - DIECAST

Equipment No. QUEN06 DIECAST QUENCH TANK (X0040)

System Quenching Fluid

Oil Type ENGINEERED LUBRICANTS ENCOOL SOL-6465GF-ND-XL-RO (--- GAL)

SAMPLE INFORMATION

DIAGNOSIS

Add make up dilution of 50:1 ENGINEERED LUBRICANTS ENCOOL SOL-6465GF-ND-XL-RO lean dilution until reaching recommended dilution of 10. 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 slightly strong.

Lab Number	New	2310-00649	2309-00653	2308-00879
Date of Sample	(Typi	cal) 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	ABNORMAL	SEVERE
RATIO PER REF	RACTOMET	ER		
Refract. Reading		3.8	1.6	1.9
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	<u> </u>	▲ 18:1	■ 15:1
PH (ASTM E-70))			
рН	Scale 0-14	■9.0	▲ 8.7	8.6
Ratio Rec`d	oil:water	AS REC'D	AS REC'D	AS REC'D
HARDNESS (MC	G/L CACO3)			
Hardness (CaCO3)	mg/L	26.5	14.1	126.3
Grains	g, _	1.6	<1.0	7.4
CIC CORROSIO	N			
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	16	2	1 8
BACTERIA COU	INT (CLASS	RANGE 0 TO 6)		
Bacteria Class	Scale 0-6	0	<u> </u>	• 5
FUNGUS COUN	IT (CLASS R	ANGES: YEAST 0 TO	4/MOLD 0 TO 3)	
	Scale 0-4	0	0	1
Yeast Class	Scale 0-4		_	
	Scale 0-4 Scale 0-3	O	0	0
Yeast Class Mold Class	Scale 0-3	(*BELOW MINIMUM E		
Yeast Class Mold Class	Scale 0-3			
Yeast Class Mold Class ENERGY DISPE	Scale 0-3 ERSIVE XRF ppm	(*BELOW MINIMUM D	DETECTION LIMI	Τ)

Customer Id: MOTMCA Sample No.: EN23100649 Lab Number: 23100649 Test Package: TEST



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FUEL REPORT