LABORATORY ANALYSIS

REYLAM - DIECAST



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COPELAND (MHDS)

6001 S. 35TH STREET, SUITE D"" REYNOSA, ZZ

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T: F:

System **Quenching Fluid**

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

PROTECH10 IHS ANNEAL QUENCH (X0076)

SAMPLE INFORMATION

DIAGNOSIS

Department

Equipment No.

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. Inspect the reservoir for settled chips/fines, tramp oils, physical growth and remove them before there is an accumulation. Add a "severe" dose of BioTech 084. -0.1 ounces to the tank side reservoir in an area of high agitation. Follow up three days later with a "maintenance" dose, -0 ounces, to stabilize the microbial additive package. Circulate the coolant daily for proper aeration. (not applicable) Small amount of yeast present. Ratio is slightly strong. Total amine content is out of range. Primary amine content is out of range. Alkaline Reserve is excessively high.

2310-00662 2309-00666 2308-00892 Lab Number New Date of Sample 10 Oct 2023 (Typical) 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 **SEVERE** SEVERE SEVERE RATIO PER REFRACTOMETER Refract. Reading 3.6 2.5 2.0 Refract. Model DIGITAL DIGITAL DIGITAL Refract. Ratio oil:water **7:1 11:1 14:1** ALKALINE RESERVE (ADDITION OF DEIONIZED WATER IS PREFERRED) Alkaline Reserve 144 **a** 84 **1** 76 PH (ASTM E-70) Scale 0-14 **8.5** рΗ **8.9 8.6** Ratio Rec'd **AS REC'D** AS REC'D AS REC'D oil:water HARDNESS (MG/L CACO3) Hardness (CaCO3) mg/L 35.6 160.1 119.6 2.1 9.4 Grains 7.0 **TOTAL AMINE** Total **0.23** 0.10 0.08 mmol/gram Tertiary **0.14** 0.06 0.05 mmol/gram 0.04 0.03 Primary **0.09** mmol/gram **CIC CORROSION** OLO Dilini AO DEOID 40 DEOID

Customer Id: MOTMCA Sample No.: EN23100662 **Lab Number:** 23100662 Test Package: TEST

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	AS REC'D	AS REC'D	AS REC'D
%	■ 0.0	■0.0	□0.0
MG/L			
μ	0.45	0.45	0.45
mg/L	16	■34	2 0
BACTERIA COUNT (CLASS RANGE 0 TO 6)			
Scale 0-6	2	<u> </u>	2
FUNGUS COUNT (CLASS RANGES: YEAST 0 TO 4/MOLD 0 TO 3)			
Scale 0-4	<u>^</u> 2	• 3	<u>^</u> 2
Scale 0-3	■ 0	0	0
ENERGY DISPERSIVE XRF (*BELOW MINIMUM DETECTION LIMIT)			
ppm	*	*	*
N			
	NEG	NEG	NEG
	-		
	MG/L	% 0.00 0.	% 0.0 0.0 0.0 MG/L μ 0.45 0.45



FUEL REPORT

