

LABORATORY ANALYSIS



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Department **REYLAM - DIECAST**
Equipment No. **PROTECH07 IHS ANNEAL QUENCH (X0071)**
System **Unknown Component**
Oil Type **ENGINEERED LUBRICANTS ENCOOL SOL-6465GF-ND-XL-RO (--- GAL)**

DIAGNOSIS

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. The alkaline reserve is low. Please add 1/2 gallon of ECOOL BASE PH-1-2 to the system. All component wear rates are normal. There is no indication of any contamination in the sample. The condition of the sample is acceptable for the time in service.

SAMPLE INFORMATION

Lab Number	New	2310-00659	2309-00663	2308-00889
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		SEVERE	SEVERE	SEVERE

RATIO PER REFRACTOMETER

Refract. Reading		2.1	1.6	1.8
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	13:1	18:1	16:1

ALKALINE RESERVE (ADDITION OF DEIONIZED WATER IS PREFERRED)

Alkaline Reserve		92	61	84
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PH (ASTM E-70)

pH	Scale 0-14	8.8	8.7	8.8
Ratio Rec'd	oil:water	AS REC'D	AS REC'D	AS REC'D

HARDNESS (MG/L CaCO3)

Hardness (CaCO3)	mg/L	19.1	14.1	120.2
Grains		1.1	<1.0	7.1

TOTAL AMINE

Total	mmol/gram	0.16	0.07	0.09
Tertiary	mmol/gram	0.08	0.05	0.06
Primary	mmol/gram	0.08	0.02	0.03

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	10	8	6

BACTERIA COUNT (CLASS RANGE 0 TO 6)

Bacteria Class	Scale 0-6	2	2	1
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FUNGUS COUNT (CLASS RANGES: YEAST 0 TO 4/MOLD 0 TO 3)

Yeast Class	Scale 0-4	1	1	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.: EN23100659
Lab Number: 23100659
Test Package: TEST



To manage this report scan the QR code

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FUEL REPORT

