

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

Please add 1/2 gallon of ENCOOL PH-1-2 to the reservoir to increase alkalinity. 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	2312-01086	2312-00138	2310-00659
Date of Sample	(Typical)	20 Dec 2023	28 Nov 2023	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		39.7	39.0	37.4
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		SEVERE	ABNORMAL	SEVERE

RATIO PER REFRACTOMETER

Refract. Reading		2.4	3.8	2.1
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	12:1	7:1	13:1

ALKALINE RESERVE (ADDITION OF DEIONIZED WATER IS PREFERRED)

Alkaline Reserve		91	154	92
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PH (ASTM E-70)

pH	Scale 0-14	8.9	8.8	8.8
Ratio Rec'd	oil:water	AS REC'D	AS REC'D	AS REC'D

HARDNESS (MG/L CaCO3)

Hardness (CaCO3)	mg/L	20.7	14.1	19.1
Grains		1.2	<1.0	1.1

TOTAL AMINE

Total	mmol/gram	0.12	0.18	0.16
Tertiary	mmol/gram	0.06	0.13	0.08
Primary	mmol/gram	0.06	0.05	0.08

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	2	12	10

BACTERIA COUNT (CLASS RANGE 0 TO 6)

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

Yeast Class	Scale 0-4	0	0	1
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.: EN23121086
Lab Number: 23121086
Test Package: TEST



To manage this report scan the QR code

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FUEL REPORT

