LABORATORY ANALYSIS

ENGINEERED LUBRICANTS

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Department	**REYLAM - DIECAST**
Equipment No.	**THT06 DIECASTER UNIT #6 (00017)**
System	**Water**
Oil Type	**ENGINEERED LUBRICANTS ENLUBE 205-FR (150 GAL)**

COPELAND (MHDS)
6001 S. 35TH STREET, SUITE D""
REYNOSA, ZZ
US
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Diagnosis

To c correct elevated viscosity, please add 6 gallons of Deionized water to the reservoir. Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. There is no indication of any contamination in the oil. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is above ISO 46 range, advise investigate. The condition of the oil is acceptable for the time in service after DI water addition is made.

Sample Information

Lab Number		New	**2403-00398**	2401-00415	2311-00184
Date of Sample		(Typical)	**13 Mar 2024**	10 Jan 2024	06 Nov 2023
Oil Added			**UNK**	UNK	UNK
Last Drain Date			**--**	--	--
Months on Sample			**166.1**	164.1	162.0
Last Filter Service			**--**	--	--
Sample Point			**---**	---	---
Sample Status			**ABNORMAL**	ABNORMAL	NORMAL

VISCOSITY @ 100F or 40C (ASTM D-445)

SSU Vis. @ 100F	SSU	213.0	**267.7**	262.5	244.4
cSt Vis. @ 40C	cSt	46.0	▲ **53.29**	▲ 52.25	□ 48.65

ALKALINE RESERVE (ADDITION OF DEIONIZED WATER IS PREFERRED)

Alkaline Reserve		■ **172**	□ 177	□ 174

Hiac Particle Count/ISO 4406

4 Micron & Larger	particles/1ml	>40000	■ **7,907**	● 41,306	□ 5,450
6 Micron & Larger	particles/1ml	>5000	■ **2,209**	▲ 16,088	□ 1,785
14 Micron & Larger	particles/1ml	>320	■ **247**	▲ 672	□ 228
ISO Code	ISO 4406(c)	>22/19/15	■ **20/18/15**	▲ 23/21/17	□ 20/18/15

Contamination

Water	>55	**NEG**	NEG	NEG

Customer Id: MOTMCA
Sample No.: EN24030398
Lab Number: 24030398
Test Package: TEST

To manage this report scan the QR code

To discuss the diagnosis or test data:
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Reserve Alkalinity

Viscosity @ 40°C