

# LABORATORY ANALYSIS



11525 Rock Island Court, St. Louis, MO 63043  
Tel: 1-800-876-0008 info@englube.com

Department **REYLAM - DIECAST**  
 Equipment No. **THT01 DIECASTER (00012)**  
 System **Water**  
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 205-FR (150 GAL)**

**COPELAND (MHDS)**  
 6001 S. 35TH STREET, SUITE D"  
 REYNOSA, ZZ  
 US  
 Contact: GERARDO GUERRERO  
 francisco.castillo@Copeland.com  
 T:  
 F:

## DIAGNOSIS

Viscosity is high. Add 4 gallons of DI or distilled water. 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 within ISO 46 range, advise investigate. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

Lab Number	New	<b>2401-00410</b>	2206-00288	2204-00034
Date of Sample	(Typical)	<b>10 Jan 2024</b>	29 May 2022	15 Mar 2022
Oil Added		<b>UNK</b>	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		<b>133.4</b>	114.4	111.9
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		<b>ABNORMAL</b>	NORMAL	NORMAL

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

SSU Vis. @ 100F	SSU	213.0	<b>258.1</b>	211.6	252.5
cSt Vis. @ 40C	cSt	46.0	<b>▲ 51.38</b>	42.08	50.25

## ALKALINE RESERVE (ADDITION OF DEIONIZED WATER IS PREFERRED)

Alkaline Reserve		<b>174</b>	182	189
------------------	--	------------	-----	-----

## HIAC PARTICLE COUNT/ISO 4406

4 Micron & Larger	particles/ml	>40000	<b>3,662</b>	4,845	6,995
6 Micron & Larger	particles/ml	>5000	<b>1,043</b>	1,294	1,886
14 Micron & Larger	particles/ml	>320	<b>139</b>	67	194
ISO Code	ISO 4406(c)	>22/19/15	<b>19/17/14</b>	19/17/13	20/18/15

## CONTAMINATION

Water	>55	<b>NEG</b>	NEG	NEG
-------	-----	------------	-----	-----

Customer Id: MOTMCA  
 Sample No.: EN24010410  
 Lab Number: 24010410  
 Test Package: TEST



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Brian Klutenkamper +1 (314)872-9540  
[bklutenkamper@englube.com](mailto:bklutenkamper@englube.com)

To change component or sample information:  
 Tracy Weaks +1 (314)872-9540  
[tweaks@englube.com](mailto:tweaks@englube.com)

# OIL ANALYSIS REPORT

