

# LABORATORY ANALYSIS



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Department **REYLAM-PRESS**  
 Equipment No. **PRESS14 LAM LINE #14 (00174)**  
 System **Oil**  
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 71-EP (--- GAL)**

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

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. The condition of the oil is acceptable for the time in service.

## Sample Information

Lab Number	New	2404-00838	2401-00678	2310-00756
Date of Sample	(Typical)	<b>05 Apr 2024</b>	19 Jan 2024	10 Oct 2023
Oil Added		<b>UNK</b>	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		<b>71.2</b>	68.8	65.6
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		<b>NORMAL</b>	NORMAL	ABNORMAL

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

SSU Vis. @ 100F	SSU	778.9	789.4	748.6
cSt Vis. @ 40C	cSt	150	150.3	142.7

## PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>23/22/16	23/21/13	23/18/11	22/21/17
4 Micron & Larger	particles/ml	>80000	<b>60,479</b>	71,564	34,184
6 Micron & Larger	particles/ml	>40000	<b>19,118</b>	1,586	12,404
14 Micron & Larger	particles/ml	>640	<b>46</b>	12	754
21 Micron & Larger	particles/ml	>160	<b>7</b>	3	156
38 Micron & Larger	particles/ml	>40	<b>1</b>	1	15
70 Micron & Larger	particles/ml	>10	<b>0</b>	0	2

## ICP - OILS (REPORTED IN PARTS PER MILLION)

Aluminum (Al)	ppm	<5	<5	<5	
Antimony (Sb)	ppm	<5	<5	<5	
Cadmium (Cd)	ppm	<5	<5	<5	
Chromium (Cr)	ppm	<5	<5	<5	
Cobalt (Co)	ppm	<5	<5	<5	
Copper (Cu)	ppm	<5	<5	<5	
Iron (Fe)	ppm	<b>34</b>	16	<5	
Lead (Pb)	ppm	<5	<5	<5	
Manganese (Mn)	ppm	<5	<5	<5	
Molybdenum(Mo)	ppm	<5	<5	<5	
Nickel (Ni)	ppm	<5	<5	<5	
Silver (Ag)	ppm	<5	<5	<5	
Tin (Sn)	ppm	<5	<5	<5	
Titanium (Ti)	ppm	<5	<5	<5	
Vanadium (V)	ppm	<5	<5	<5	
Barium (Ba)	ppm	<5	<5	<5	
Boron (B)	ppm	<5	<5	20	
Calcium (Ca)	ppm	<b>11</b>	14	24	
Magnesium (Mg)	ppm	<5	<5	<5	
Phosphorus(P)	ppm	234	<b>245</b>	229	250
Silicon (Si)	ppm	<5	<5	<5	
Zinc (Zn)	ppm	<b>16</b>	8	<5	
Sulfur (S)	ppm	<b>3,520</b>	3,170	6,190	

## DR FERROGRAPHY READINGS

L		<b>27.6</b>	10.8	14.3
S		<b>4.9</b>	2.5	0.3
WPC	DL + DS	<b>32.5</b>	13.3	14.6

Customer Id: MOTMCA  
 Sample No.: EN24040838  
 Lab Number: 24040838  
 Test Package: TEST

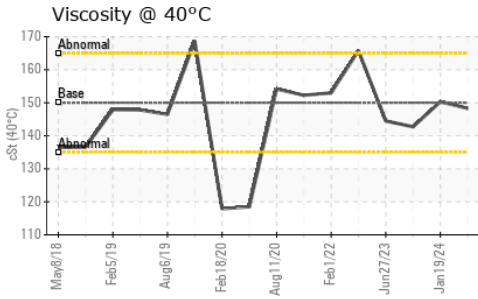


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# OIL ANALYSIS REPORT



Contamination			
Water	NEG	NEG	NEG