

# LABORATORY ANALYSIS



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

Department **REYLAM-PRESS**  
 Equipment No. **REWSC0401 COIL REWIND(SCROLL LINE C14) (00117)**  
 System **Gearbox**  
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 20-AW (--- GAL)**

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

## Diagnosis

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. 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	2404-00904	2401-00732	2310-00827
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		168.9	166.5	163.3
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		NORMAL	NORMAL	ABNORMAL

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

SSU Vis. @ 100F	SSU	270.9	242.3	243.7
cSt Vis. @ 40C	cSt	46	46.92	47.19

## % WATER - KARL FISCHER (ASTM E203)

% Water (KF)	%	0.122	---	---
ppm Water (KF)	ppm	1,220	---	---

## COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	1.5*	0.5	<0.5
-------	-----------	------	-----	------

## PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	18/16/12	18/15/11	20/18/15
4 Micron & Larger	particles/ml	>5000	2,115	1,636	8,937
6 Micron & Larger	particles/ml	>2500	393	306	2,455
14 Micron & Larger	particles/ml	>160	24	18	187
21 Micron & Larger	particles/ml	>40	5	7	46
38 Micron & Larger	particles/ml	>10	0	1	1
70 Micron & Larger	particles/ml	>3	0	0	0

## 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	<5	<5	<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	<5
Calcium (Ca)	ppm	48	63	63
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	443	485	511
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	715	608	620
Sulfur (S)	ppm	1,810	1,480	1,530

Customer Id: MOTMCA  
 Sample No.: EN24040904  
 Lab Number: 24040904  
 Test Package: TEST

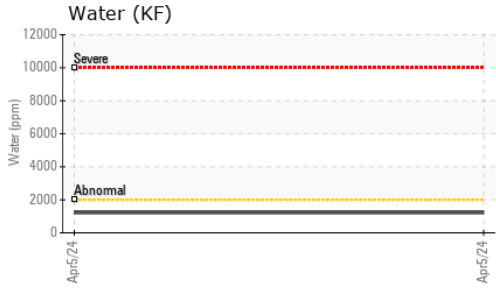


To manage this report scan the QR code

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



## DR FERROGRAPHY READINGS

L		■ 2.6	■ 0.7	■ 10.8
S		■ 0.2	■ 0.1	■ 6.8
WPC	DL + DS	■ 2.8	■ 0.8	■ 17.6

