

# LABORATORY ANALYSIS



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Department **REYLAM-PRESS**  
 Equipment No. **TENSC0102 TENSION REWIND #2 (SCROLL 1) (00166)**  
 System **Hydraulic System**  
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 30-AW (--- GAL)**

**COPELAND (MHDS)**  
 6001 S. 35TH STREET, SUITE D"  
 REYNOSA, ZZ  
 US  
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 T:  
 F:

## Diagnosis

All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The condition of the oil is acceptable for the time in service.

## Sample Information

Lab Number	New	2404-00870	2401-00710	2310-00790
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		<b>NORMAL</b>	ABNORMAL	ABNORMAL

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

SSU Vis. @ 100F	SSU	314.3	314.6	351.1
cSt Vis. @ 40C	cSt	68.0	60.69	67.67

## COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	1.0	1.0	1.0

## PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	20/17/12	21/19/15	22/19/15
4 Micron & Larger	particles/ml	>5000	9,613	18,970	29,217
6 Micron & Larger	particles/ml	>2500	873	3,084	4,951
14 Micron & Larger	particles/ml	>160	32	176	260
21 Micron & Larger	particles/ml	>40	9	47	54
38 Micron & Larger	particles/ml	>10	0	3	4
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	91	94	62
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	522	524	488
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	668	617	572
Sulfur (S)	ppm	1,410	1,590	1,450

Customer Id: MOTMCA  
 Sample No.: EN24040870  
 Lab Number: 24040870  
 Test Package: TEST

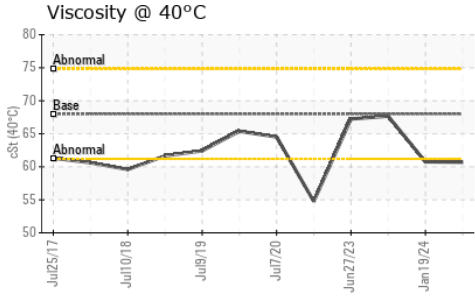


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# OIL ANALYSIS REPORT



## DR FERROGRAPHY READINGS

L		■ 9.9	■ 14.7	■ 9.4
S		■ 4.6	■ 5.7	■ 4.0
WPC	DL + DS	■ 14.5	■ 20.4	■ 13.4

## Contamination

Water	>0.05	<b>NEG</b>	NEG	NEG
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