

# LABORATORY ANALYSIS



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Department **REYLAM-PRESS**  
 Equipment No. **PRESSTACK02 STACK" PRESS" (00159)**  
 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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## Diagnosis

All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

## Sample Information

Lab Number	New	2404-00907	2401-00772	2310-00831
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		NORMAL	ABNORMAL	ABNORMAL

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

SSU Vis. @ 100F	SSU	314.5	314.0	351.3
cSt Vis. @ 40C	cSt	68.0	60.72	67.70

## 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	21/18/13	21/18/13	22/19/14
4 Micron & Larger	particles/ml	>5000	12,576	14,089	30,330
6 Micron & Larger	particles/ml	>2500	1,707	1,788	3,554
14 Micron & Larger	particles/ml	>160	67	74	126
21 Micron & Larger	particles/ml	>40	15	19	31
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	88	95	63
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	516	537	488
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	668	642	584
Sulfur (S)	ppm	1,440	1,530	1,650

Customer Id: MOTMCA  
 Sample No.: EN24040907  
 Lab Number: 24040907  
 Test Package: TEST

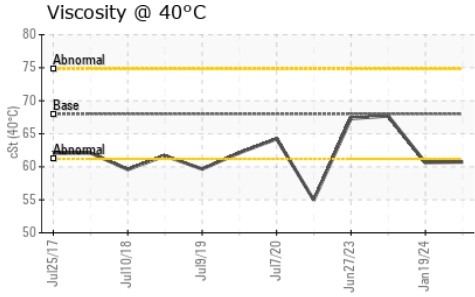


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# OIL ANALYSIS REPORT



## DR FERROGRAPHY READINGS

L		■ 12.7	■ 16.0	■ 8.3
S		■ 4.8	■ 4.6	■ 3.2
WPC	DL + DS	■ 17.5	■ 20.6	■ 11.5

## Contamination

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