

LABORATORY ANALYSIS



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

Department **REYLAM-PRESS**
 Equipment No. **OSSC03 TENSIONER STANDS/COIL/REWINDS (00080)**
 System **Hydraulic System**
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 30-AW (--- GAL)**

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

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	2404-00893	2401-00723	2310-00816
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		285.4	283.0	279.7
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		NORMAL	ABNORMAL	NORMAL

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

SSU Vis. @ 100F	SSU	314.3	314.8	349.0
cSt Vis. @ 40C	cSt	68.0	60.68	67.28

COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	1.0	1.0	0.5
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PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	21/18/13	21/19/14	19/17/13
4 Micron & Larger	particles/ml	>5000	13,859	18,464	3,036
6 Micron & Larger	particles/ml	>2500	2,099	2,812	712
14 Micron & Larger	particles/ml	>160	77	139	46
21 Micron & Larger	particles/ml	>40	18	40	12
38 Micron & Larger	particles/ml	>10	1	2	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	87	95	64
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	517	524	511
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	668	602	636
Sulfur (S)	ppm	1,500	1,590	1,690

Customer Id: MOTMCA
 Sample No.: EN24040893
 Lab Number: 24040893
 Test Package: TEST

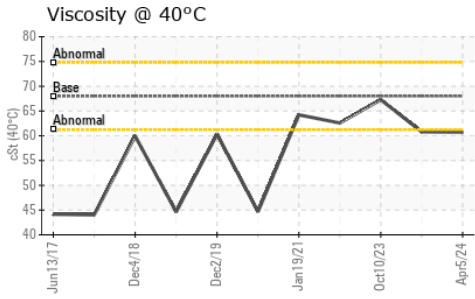


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To discuss the diagnosis or test data:
 Brian Klutenkamper +1 (314)872-9540
bkluitenkamper@englube.com

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

OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		■ 10.8	■ 17.4	■ 3.0
S		■ 4.1	■ 5.1	■ 2.8
WPC	DL + DS	■ 14.9	■ 22.5	■ 5.8

Contamination

Water	>0.05	NEG	NEG	NEG
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