

LABORATORY ANALYSIS



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Department **REYLAM-PRESS**
 Equipment No. **OSSC02 TENSIONER STANDS/COIL/REWINDS (00072)**
 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 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	2404-00885	2401-00765	2310-00805
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		270.5	268.0	264.8
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		NORMAL	ABNORMAL	ABNORMAL

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

SSU Vis. @ 100F	SSU	314.2	314.0	350.3
cSt Vis. @ 40C	cSt	68.0	60.66	67.57

COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	1.0	0.5	1.0

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	21/18/13	21/18/14	21/18/13
4 Micron & Larger	particles/ml	>5000	12,524	15,025	16,009
6 Micron & Larger	particles/ml	>2500	1,765	2,125	1,813
14 Micron & Larger	particles/ml	>160	60	109	56
21 Micron & Larger	particles/ml	>40	10	31	10
38 Micron & Larger	particles/ml	>10	1	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	87	95	61
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	497	539	487
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	668	589	644
Sulfur (S)	ppm	1,350	1,530	1,600

Customer Id: MOTMCA
 Sample No.: EN24040885
 Lab Number: 24040885
 Test Package: TEST

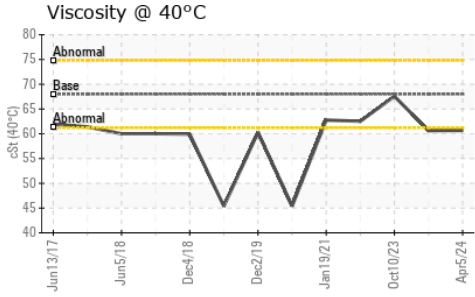


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OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		■ 11.4	■ 18.5	■ 8.2
S		■ 4.7	■ 2.2	■ 4.2
WPC	DL + DS	■ 16.1	■ 20.7	■ 12.4

Contamination

Water	>0.05	NEG	NEG	NEG
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