

LABORATORY ANALYSIS



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Department **REYLAM-PRESS**
 Equipment No. **TENSC0401 TENSION REWIND #1 (SCROLL 4) (00171)**
 System **Hydraulic System**
 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	2404-00900	2401-00729	2310-00822
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	NORMAL	NORMAL

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

SSU Vis. @ 100F	SSU	271.9	242.3	243.3
cSt Vis. @ 40C	cSt	46	46.93	47.12

COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	1.5*	0.5	<0.5
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PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	19/16/12	18/16/12	19/16/13
4 Micron & Larger	particles/ml	>5000	2,783	2,041	2,617
6 Micron & Larger	particles/ml	>2500	567	449	628
14 Micron & Larger	particles/ml	>160	29	23	42
21 Micron & Larger	particles/ml	>40	7	6	15
38 Micron & Larger	particles/ml	>10	0	1	2
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	52	63	62
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	487	486	500
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	715	607	613
Sulfur (S)	ppm	2,000	1,540	1,570

Customer Id: MOTMCA
 Sample No.: EN24040900
 Lab Number: 24040900
 Test Package: TEST

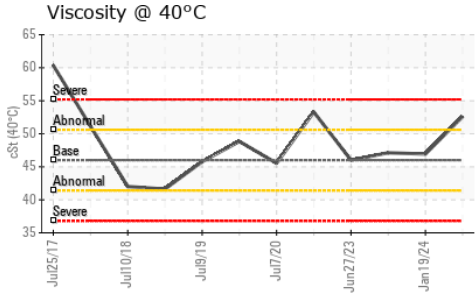


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OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		█ 1.4	█ 1.1	█ 3.7
S		█ 0.7	█ 0.9	█ 1.3
WPC	DL + DS	█ 2.1	█ 2	█ 5

Contamination

Water	>0.05	NEG	NEG	NEG
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