

LABORATORY ANALYSIS



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Department **REYLAM-PRESS**
 Equipment No. **STRSCO4 LEVELER(SCROLL LINE #4) (00147)**
 System **Hydraulic System**
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 15-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. The condition of the oil is acceptable for the time in service.

Sample Information

Lab Number	New	2404-00906	2401-00734	2310-00829
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	ABNORMAL

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

SSU Vis. @ 100F	SSU	166.1	173.9	165.4
cSt Vis. @ 40C	cSt	32.0	33.64	31.98

COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	0.5	1.0	<0.5

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	16/14/10	18/16/12	20/19/15
4 Micron & Larger	particles/ml	>5000	536	2,404	9,659
6 Micron & Larger	particles/ml	>2500	90	610	3,032
14 Micron & Larger	particles/ml	>160	8	35	273
21 Micron & Larger	particles/ml	>40	2	10	78
38 Micron & Larger	particles/ml	>10	0	1	3
70 Micron & Larger	particles/ml	>3	0	0	1

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	60	91	64
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	494	500	501
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	668	600	612
Sulfur (S)	ppm	1,290	1,490	1,350

Customer Id: MOTMCA
 Sample No.: EN24040906
 Lab Number: 24040906
 Test Package: TEST

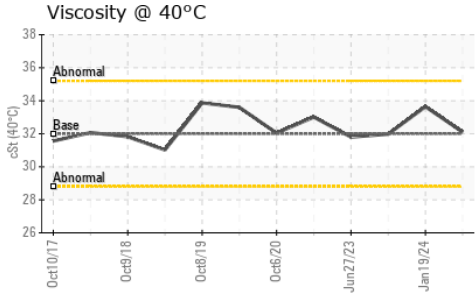


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OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		■ 2.1	■ 2.5	■ 2.2
S		■ 0.4	■ 0.1	■ 0.1
WPC	DL + DS	■ 2.5	■ 2.6	■ 2.3

Contamination

Water	>0.05	NEG	NEG	NEG
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