

LABORATORY ANALYSIS



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

Department **REYLAM-PRESS**
 Equipment No. **STRSC03 LEVELER (SCROLL LINE 3) (00075)**
 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	2404-00889	2401-00721	2310-00811
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		283.4	280.9	277.7
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		NORMAL	NORMAL	ABNORMAL

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

SSU Vis. @ 100F	SSU	165.7	174.9	165.3
cSt Vis. @ 40C	cSt	32.0	33.85	31.96

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	18/16/12	19/17/13	21/20/16
4 Micron & Larger	particles/ml	>5000	1,858	3,164	12,926
6 Micron & Larger	particles/ml	>2500	439	863	5,054
14 Micron & Larger	particles/ml	>160	34	59	381
21 Micron & Larger	particles/ml	>40	11	14	97
38 Micron & Larger	particles/ml	>10	0	0	3
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	59	87	64
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	485	484	513
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	668	584	579
Sulfur (S)	ppm	1,320	1,470	1,540

Customer Id: MOTMCA
 Sample No.: EN24040889
 Lab Number: 24040889
 Test Package: TEST

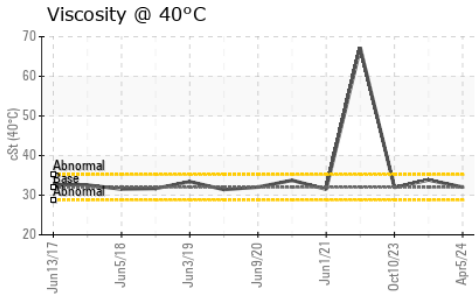


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To discuss the diagnosis or test data:
 Brian Klutenkamper +1 (314)872-9540
bkluitenkamper@englube.com

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

OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		■ 2.8	■ 0.7	■ 2.5
S		■ 0.9	■ 0.3	■ 1.4
WPC	DL + DS	■ 3.7	■ 1	■ 3.9

Contamination

Water	>0.05	NEG	NEG	NEG
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