

LABORATORY ANALYSIS



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

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

Department **REYLAM-PRESS**
Equipment No. **PRESS12 LAM PRESS #12 (LAM LINE 12) (00052)**
System **Oil**
Oil Type **ENGINEERED LUBRICANTS ENLUBE 71-EP (--- GAL)**

Diagnosis

Resample at the next service interval to monitor. 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 oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The condition of the oil is acceptable for the time in service.

Sample Information

Lab Number	New	2404-00845	2401-00687	2310-00765
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		166.2	163.8	160.6
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		ABNORMAL	NORMAL	NORMAL

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

SSU Vis. @ 100F	SSU	674.9	826.1	773.6
cSt Vis. @ 40C	cSt	150	157.2	147.3

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>23/22/16	22/19/11	22/20/16	21/19/16
4 Micron & Larger	particles/ml	>80000	21,318	27,994	11,789
6 Micron & Larger	particles/ml	>40000	2,905	5,753	3,848
14 Micron & Larger	particles/ml	>640	19	472	424
21 Micron & Larger	particles/ml	>160	2	175	119
38 Micron & Larger	particles/ml	>40	0	33	5
70 Micron & Larger	particles/ml	>10	0	10	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	6	<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	15	
Calcium (Ca)	ppm	8	9	23	
Magnesium (Mg)	ppm	<5	<5	<5	
Phosphorus(P)	ppm	234	211	228	240
Silicon (Si)	ppm	<5	<5	<5	
Zinc (Zn)	ppm	<5	<5	<5	
Sulfur (S)	ppm	3,660	3,130	5,500	

DR FERROGRAPHY READINGS

L		15.6	8.1	3.9
S		2.4	1.7	0.3
WPC	DL + DS	18	9.8	4.2

Customer Id: MOTMCA
Sample No.: EN24040845
Lab Number: 24040845
Test Package: TEST

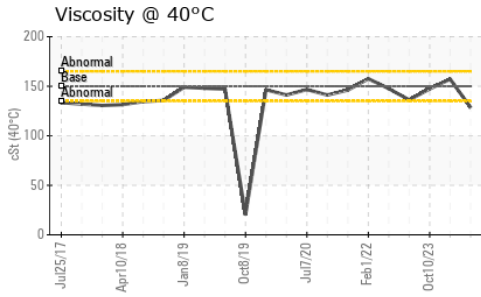


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To discuss the diagnosis or test data:
Brian Klutenkamper +1 (314)872-9540
bklutenkamper@englube.com

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

OIL ANALYSIS REPORT



Contamination

Water	NEG	NEG	NEG
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