

LABORATORY ANALYSIS



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

Department **REYLAM-PRESS**
 Equipment No. **PRESC02 SCROLL PRESS #2 (00069)**
 System **Oil**
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 71-EP (--- GAL)**

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

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. 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 is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sample Information

Lab Number	New	2404-00881	2401-00714	2310-00801
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		227.9	225.5	222.2
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		ABNORMAL	ATTENTION	NORMAL

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

SSU Vis. @ 100F	SSU	790.8	812.1	761.7
cSt Vis. @ 40C	cSt	150	154.6	145.1

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>23/22/16	25/21/13	24/21/12	22/20/16
4 Micron & Larger	particles/ml	>80000	▲ 160,639	● 98,606	■ 23,710
6 Micron & Larger	particles/ml	>40000	■ 14,697	■ 14,102	■ 8,564
14 Micron & Larger	particles/ml	>640	■ 66	■ 39	■ 504
21 Micron & Larger	particles/ml	>160	■ 8	■ 4	■ 119
38 Micron & Larger	particles/ml	>40	■ 0	■ 0	■ 17
70 Micron & Larger	particles/ml	>10	■ 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	■ 13	■ 11	■ <5
Iron (Fe)	ppm	■ 11	■ 12	■ <5
Lead (Pb)	ppm	9	7	<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	23	18	23
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	234	■ 236	■ 242
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	9	6	<5
Sulfur (S)	ppm	3,810	4,500	5,260

DR FERROGRAPHY READINGS

L		■ 90.0	■ 87.5	■ 8.0
S		■ 32.0	■ 30.8	■ 0.6
WPC	DL + DS	■ 122	■ 118.3	■ 8.6

Customer Id: MOTMCA
 Sample No.: EN24040881
 Lab Number: 24040881
 Test Package: TEST

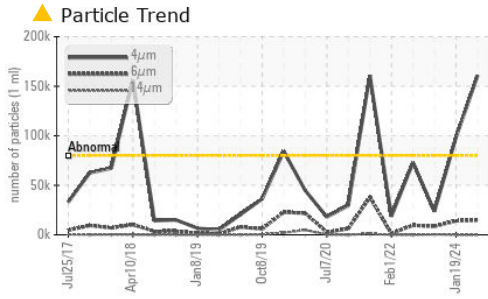


To manage this report scan the QR code

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

