

# LABORATORY ANALYSIS



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

Department **REYLAM-PRESS**  
 Equipment No. **PRESS03 LAM PRESS #3(LAM LINE 3) (00035)**  
 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. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.

## Sample Information

| Lab Number          | New       | 2404-00832  | 2401-00671  | 2310-00748  |
|---------------------|-----------|-------------|-------------|-------------|
| Date of Sample      | (Typical) | 05 Apr 2024 | 19 Jan 2024 | 10 Oct 2023 |
| Oil Added           |           | UNK         | UNK         | UNK         |
| Last Drain Date     |           | --          | --          | --          |
| Months on Sample    |           | 170.0       | 167.6       | 164.4       |
| Last Filter Service |           | --          | --          | --          |
| Sample Point        |           | ---         | ---         | ---         |
| Sample Status       |           | ATTENTION   | NORMAL      | NORMAL      |

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

| SSU Vis. @ 100F | SSU | 786.8 | 802.5 | 784.1 |
|-----------------|-----|-------|-------|-------|
| cSt Vis. @ 40C  | cSt | 150   | 152.8 | 149.3 |

## PARTICLE COUNT (PER 1ML)

| ISO CODE           | ISO 4406(c)  | >23/22/16 | 24/21/15 | 23/20/13 | 22/20/15 |
|--------------------|--------------|-----------|----------|----------|----------|
| 4 Micron & Larger  | particles/ml | >80000    | 108,432  | 76,847   | 30,347   |
| 6 Micron & Larger  | particles/ml | >40000    | 17,188   | 7,363    | 5,725    |
| 14 Micron & Larger | particles/ml | >640      | 256      | 54       | 294      |
| 21 Micron & Larger | particles/ml | >160      | 53       | 13       | 76       |
| 38 Micron & Larger | particles/ml | >40       | 1        | 1        | 9        |
| 70 Micron & Larger | particles/ml | >10       | 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 | 8     | 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    | 7     |
| Calcium (Ca)   | ppm | 23    | 20    | 20    |
| Magnesium (Mg) | ppm | <5    | <5    | <5    |
| Phosphorus(P)  | ppm | 234   | 236   | 242   |
| Silicon (Si)   | ppm | <5    | <5    | <5    |
| Zinc (Zn)      | ppm | 6     | <5    | <5    |
| Sulfur (S)     | ppm | 3,710 | 3,770 | 4,880 |

## DR FERROGRAPHY READINGS

|     |         |       |      |      |
|-----|---------|-------|------|------|
| L   |         | 75.0  | 46.1 | 12.8 |
| S   |         | 26.3  | 13.8 | 4.4  |
| WPC | DL + DS | 101.3 | 59.9 | 17.2 |

Customer Id: MOTMCA  
 Sample No.: EN24040832  
 Lab Number: 24040832  
 Test Package: TEST

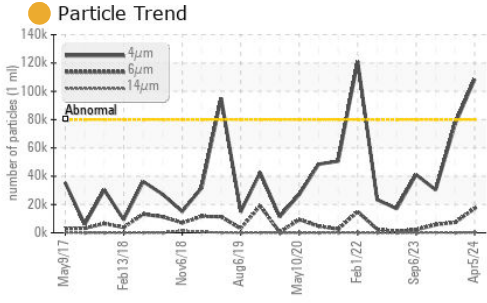


To manage this report scan the QR code

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

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

# OIL ANALYSIS REPORT



## Contamination

|              |            |            |
|--------------|------------|------------|
| <b>Water</b> | <b>NEG</b> | <b>NEG</b> |
|--------------|------------|------------|

