

# LABORATORY ANALYSIS



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Department **PRESS ROOM**  
 Equipment No. **PP-10 PRESS (00016)**  
 System **Gear Lube System**  
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 71-EP (--- GAL)**

**MODINEER PLANT 7**  
 #17 CERMAK BLVD., MODINEER PLANT #7  
 ST. PETERS, MO  
 US 63376  
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 T:  
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## 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	2311-00694	2306-00384	2303-00100
Date of Sample	(Typical)	<b>28 Nov 2023</b>	09 Jun 2023	07 Mar 2023
Oil Added		<b>UNK</b>	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		<b>44.7</b>	39.2	36.1
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		<b>ABNORMAL</b>	ABNORMAL	NORMAL

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

SSU Vis. @ 100F	SSU	776.8	781.0	767.7
cSt Vis. @ 40C	cSt	150	148.7	146.2

## PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>23/22/16	22/20/16	24/21/15	23/21/13
4 Micron & Larger	particles/ml	>80000	<b>39,616</b>	93,863	78,790
6 Micron & Larger	particles/ml	>40000	<b>6,336</b>	12,803	10,913
14 Micron & Larger	particles/ml	>640	<b>322</b>	204	66
21 Micron & Larger	particles/ml	>160	<b>99</b>	37	10
38 Micron & Larger	particles/ml	>40	<b>9</b>	1	1
70 Micron & Larger	particles/ml	>10	<b>1</b>	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	<b>8</b>	14	16
Iron (Fe)	ppm	<b>&lt;5</b>	6	7
Lead (Pb)	ppm	<b>5</b>	8	7
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	<5	<5	6
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	234	<b>168</b>	179
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	<5	<5	5
Sulfur (S)	ppm	<b>4,470</b>	4,210	4,610

## DR FERROGRAPHY READINGS

L		<b>44.2</b>	59.9	70.4
S		<b>6.5</b>	10.2	17.1
WPC	DL + DS	<b>50.7</b>	70.1	87.5

Customer Id: WAISTP  
 Sample No.: EN23110694  
 Lab Number: 23110694  
 Test Package: TEST



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To discuss the diagnosis or test data:

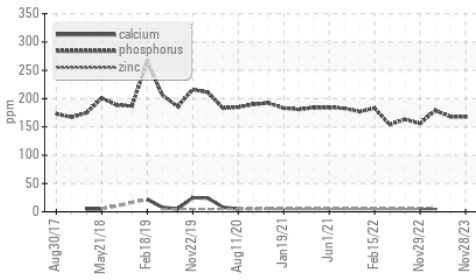
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To change component or sample information:

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# OIL ANALYSIS REPORT

### ▲ Additives



### CONTAMINATION

Water	>0.1	<b>NEG</b>	NEG	NEG
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### Viscosity @ 40°C

