

LABORATORY ANALYSIS



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Department **PRESS ROOM**
 Equipment No. **PP-14 PRESS (00012)**
 System **Gear Lube System**
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 71-EP (40 GAL)**

MODINEER PLANT 7
 #17 CERMAK BLVD., MODINEER PLANT #7
 ST. PETERS, MO
 US 63376
 Contact: Kaleb Shocklee
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 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 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	2311-00696	2306-00386	2303-00101
Date of Sample	(Typical)	28 Nov 2023	09 Jun 2023	07 Mar 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		56.6	51.0	48.0
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		ABNORMAL	ABNORMAL	ATTENTION

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

SSU Vis. @ 100F	SSU	695.2	833.6	782.9
cSt Vis. @ 40C	cSt	150	158.6	149.1

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>23/22/16	24/21/15	25/23/18	24/21/15
4 Micron & Larger	particles/ml	>80000	128,512	188,083	93,398
6 Micron & Larger	particles/ml	>40000	18,765	61,024	15,532
14 Micron & Larger	particles/ml	>640	208	1,988	269
21 Micron & Larger	particles/ml	>160	28	286	25
38 Micron & Larger	particles/ml	>40	1	2	1
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	26	23	16	
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	6	6	
Calcium (Ca)	ppm	5	9	11	
Magnesium (Mg)	ppm	<5	<5	<5	
Phosphorus(P)	ppm	234	194	221	217
Silicon (Si)	ppm	<5	<5	<5	
Zinc (Zn)	ppm	<5	<5	<5	
Sulfur (S)	ppm	4,340	4,320	5,060	

DR FERROGRAPHY READINGS

L		45.5	124.0	52.4
S		11.6	24.0	11.7
WPC	DL + DS	57.1	148	64.1

Customer Id: WAISTP
 Sample No.: EN23110696
 Lab Number: 23110696
 Test Package: TEST



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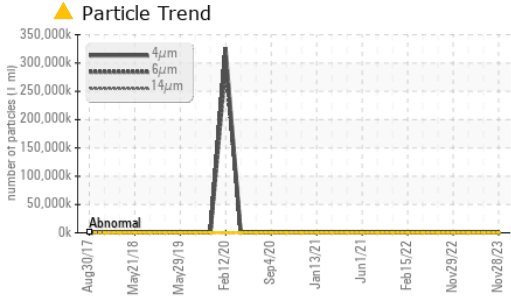
To discuss the diagnosis or test data:

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OIL ANALYSIS REPORT



CONTAMINATION

Water	>0.1	NEG	NEG	NEG
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