

LABORATORY ANALYSIS



11525 Rock Island Court, St. Louis, MO 63043
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Department **TRUCK BED**
 Equipment No. **PP-2 PRESS (00002)**
 System **Gear Lube System**
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 85-EP GEAR OIL (35 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 that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. L and % large particles, severity index and wpc levels are severe. S levels are abnormal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sample Information

Lab Number	New	2405-00961	2402-00238	2311-00706
Date of Sample	(Typical)	29 May 2024	07 Feb 2024	28 Nov 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		59.6	56.0	53.7
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		NORMAL	NORMAL	ABNORMAL

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

SSU Vis. @ 100F	SSU	1,144.8	1,150.7	1,167.6
cSt Vis. @ 40C	cSt	220	217.6	220.8

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>23/22/16	22/18/13	22/19/13	24/22/18
4 Micron & Larger	particles/ml	>80000	21,804	28,175	104,212
6 Micron & Larger	particles/ml	>40000	2,092	4,021	27,938
14 Micron & Larger	particles/ml	>640	55	70	1,458
21 Micron & Larger	particles/ml	>160	12	10	307
38 Micron & Larger	particles/ml	>40	0	0	12
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	<5	<5	<5	
Iron (Fe)	ppm	<5	<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	<5	
Calcium (Ca)	ppm	9	12	5	
Magnesium (Mg)	ppm	<5	<5	<5	
Phosphorus(P)	ppm	234	250	264	239
Silicon (Si)	ppm	<5	<5	<5	
Zinc (Zn)	ppm	<5	<5	<5	
Sulfur (S)	ppm	3,320	4,190	3,160	

DR FERROGRAPHY READINGS

L		29.6	28.2	59.0
S		4.3	3.3	8.9
WPC	DL + DS	33.9	31.5	67.9

Customer Id: WAISTP
 Sample No.: EN24050961
 Lab Number: 24050961
 Test Package: TEST



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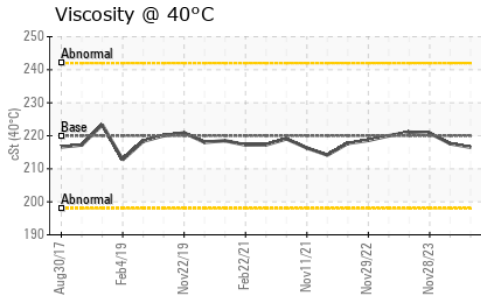
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OIL ANALYSIS REPORT



Contamination				
Water	>0.1	NEG	NEG	NEG