

LABORATORY ANALYSIS



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Department **REYLAM-PRESS**
 Equipment No. **STRSC03 LEVELER(SCROLL LINE 3) (00077)**
 System **Gearbox**
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 85-EP GEAR OIL (--- GAL)**

COPELAND (MHDS)
 6001 S. 35TH STREET, SUITE D"
 REYNOSA, ZZ
 US
 Contact: GERARDO GUERRERO
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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 an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. S levels are abnormal. Iron (Fe) ppm levels are abnormal. Gear wear is indicated. 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. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sample Information

Lab Number	New	2404-00891	2401-00768	2310-00813
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		269.7	267.2	264.0
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		SEVERE	ABNORMAL	ABNORMAL

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

SSU Vis. @ 100F	SSU	261.2	809.1	1,122.6
cSt Vis. @ 40C	cSt	220	154.0	212.4

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>23/22/16	22/18/13	24/22/18	22/21/17
4 Micron & Larger	particles/ml	>80000	20,178	93,986	31,338
6 Micron & Larger	particles/ml	>40000	1,615	36,059	15,476
14 Micron & Larger	particles/ml	>640	62	2,046	942
21 Micron & Larger	particles/ml	>160	16	276	154
38 Micron & Larger	particles/ml	>40	0	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	13	<5	<5
Iron (Fe)	ppm	71	<5	<5
Lead (Pb)	ppm	9	<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	10	<5	<5
Calcium (Ca)	ppm	45	16	<5
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	234	468	329
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	466	141	<5
Sulfur (S)	ppm	1,830	2,540	3,470

DR FERROGRAPHY READINGS

L		69.3	19.3	2.8
S		44.3	5.1	1.4
WPC	DL + DS	113.6	24.4	4.2

Customer Id: MOTMCA
 Sample No.: EN24040891
 Lab Number: 24040891
 Test Package: TEST

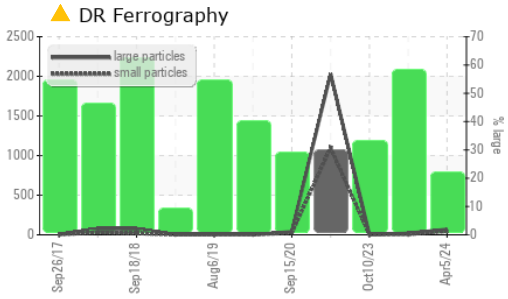


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OIL ANALYSIS REPORT



Contamination

Water	>0.2	NEG	NEG
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