

LABORATORY ANALYSIS



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Department **REYLAM-PRESS**
 Equipment No. **MANSC01 DEREELEER (SCROLL LINE 1) (00064)**
 System **Hydraulic System**
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 30-AW (--- GAL)**

COPELAND (MHDS)
 6001 S. 35TH STREET, SUITE D"
 REYNOSA, ZZ
 US
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 T:
 F:

Diagnosis

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	2404-00872	2401-00711	2310-00792
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		167.4	165.0	161.7
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		NORMAL	ABNORMAL	ABNORMAL

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

SSU Vis. @ 100F	SSU	314.3	314.6	350.5
cSt Vis. @ 40C	cSt	68.0	60.69	67.56

COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	1.0	0.5	1.0

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	20/17/12	21/18/14	22/20/16
4 Micron & Larger	particles/ml	>5000	8,567	16,346	37,680
6 Micron & Larger	particles/ml	>2500	702	2,306	8,143
14 Micron & Larger	particles/ml	>160	24	123	521
21 Micron & Larger	particles/ml	>40	5	39	135
38 Micron & Larger	particles/ml	>10	0	2	9
70 Micron & Larger	particles/ml	>3	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	<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	94	95	61
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	535	521	489
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	668	630	580
Sulfur (S)	ppm	1,390	1,530	1,420

Customer Id: MOTMCA
 Sample No.: EN24040872
 Lab Number: 24040872
 Test Package: TEST

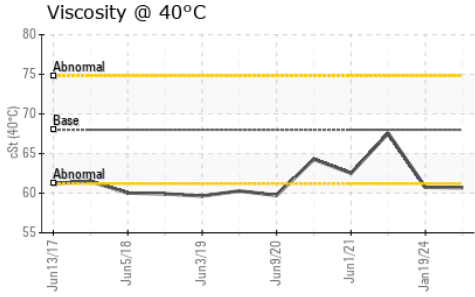


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OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		■ 12.5	■ 17.9	■ 11.3
S		■ 6.0	■ 5.9	■ 4.3
WPC	DL + DS	■ 18.5	■ 23.8	■ 15.6

Contamination

Water	>0.05	NEG	NEG	NEG
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