

LABORATORY ANALYSIS



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Department **REYLAM-PRESS**
 Equipment No. **MANSC03 DEREELEER (SCROLL LINE 3) (00079)**
 System **Hydraulic System**
 Oil Type **ENGINEERED LUBRICANTS ENLUBE 30-AW (--- GAL)**

COPELAND (MHDS)
 6001 S. 35TH STREET, SUITE D"
 REYNOSA, ZZ
 US
 Contact: GERARDO GUERRERO
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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	2404-00892	2401-00769	2310-00815
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		283.4	280.9	277.7
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		NORMAL	ABNORMAL	ABNORMAL

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

SSU Vis. @ 100F	SSU	314.1	314.3	350.9
cSt Vis. @ 40C	cSt	68.0	60.64	67.63

COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	1.0	1.0	1.0
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PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	20/17/12	21/19/14	22/19/15
4 Micron & Larger	particles/ml	>5000	8,561	18,035	27,509
6 Micron & Larger	particles/ml	>2500	789	2,808	3,901
14 Micron & Larger	particles/ml	>160	32	124	198
21 Micron & Larger	particles/ml	>40	10	30	51
38 Micron & Larger	particles/ml	>10	0	2	2
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	90	96	64
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	540	544	513
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	668	628	651
Sulfur (S)	ppm	1,570	1,510	1,790

Customer Id: MOTMCA
 Sample No.: EN24040892
 Lab Number: 24040892
 Test Package: TEST

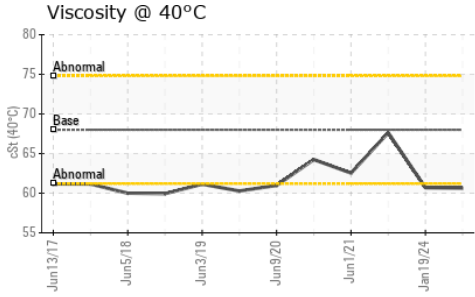


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OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		■ 8.9	■ 12.0	■ 10.3
S		■ 3.9	■ 4.1	■ 5.5
WPC	DL + DS	■ 12.8	■ 16.1	■ 15.8

Contamination

Water	>0.05	NEG	NEG	NEG
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