

LABORATORY ANALYSIS



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Department **REYLAM-PRESS**
Equipment No. **TENSC0201 TENSION REWIND #1 (SCROLL 2) (00167)**
System **Unknown Component**
Oil Type **ENGINEERED LUBRICANTS ENLUBE 30-AW (--- GAL)**

Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the sample. The system cleanliness code is much higher than the acceptable limit for the target ISO 4406 cleanliness code. The sample is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sample Information

Lab Number	New	2404-00888	2401-00718	2310-00808
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		SEVERE	ABNORMAL	SEVERE

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

SSU Vis. @ 100F	SSU	348.6	314.3	351.3
cSt Vis. @ 40C	cSt	68.0	67.20	67.71

COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	1.5	1.0	1.0
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PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	24/21/17	21/18/14	23/19/15
4 Micron & Larger	particles/ml	>5000	81,054	15,799	43,310
6 Micron & Larger	particles/ml	>2500	14,172	2,067	4,739
14 Micron & Larger	particles/ml	>160	829	89	193
21 Micron & Larger	particles/ml	>40	210	25	41
38 Micron & Larger	particles/ml	>10	5	1	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	60	91	61
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	473	503	476
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	668	613	564
Sulfur (S)	ppm	1,550	1,470	1,560

Customer Id: MOTMCA
Sample No.: EN24040888
Lab Number: 24040888
Test Package: TEST

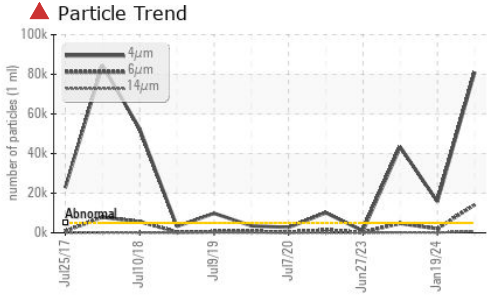


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OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		28.0	15.0	11.9
S		9.5	5.0	5.5
WPC	DL + DS	37.5	20	17.4

Contamination

Water	NEG	NEG	NEG
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