

LABORATORY ANALYSIS



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Department **REYLAM-PRESS**
Equipment No. **PRESS22 PRESS #22(LAM LINE #22) (00144)**
System **Oil**
Oil Type **ENGINEERED LUBRICANTS ENLUBE HVI-344 EP GEAR OIL (--- GAL)**

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Copper (Cu) ppm levels are noted. All other component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.

Sample Information

Lab Number	New	2404-00862	2401-00705	2310-00782
Date of Sample	(Typical)	05 Apr 2024	19 Jan 2024	10 Oct 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		173.7	171.2	168.0
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		ATTENTION	ABNORMAL	ABNORMAL

VISCOSITY INDEX (ASTM D445)

cSt Vis. @ 40C	cSt	68	70.08	71.45	68.80
SSU Vis. @ 100F	SSU		325.2	331.5	319.3
cSt Vis. @ 100C	cSt		9.330	9.443	9.16
SSU Vis. @ 210F	SSU		56.9	57.3	56.32
cSt Vis. @ 40C	cSt <td>68</td> <td>70.08</td> <td>71.45</td> <td>68.80</td>	68	70.08	71.45	68.80
SSU Vis. @ 40C	SSU		325.2	331.5	319.3
cSt Vis. @ 100C	cSt		9.330	9.443	9.16
SSU Vis. @ 100C	SSU		56.9	57.3	56.32
Viscosity Index			110	110	109

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>22/20/13	22/18/14	21/18/15	21/18/14
4 Micron & Larger	particles/ml	>40000	23,791	11,320	18,593
6 Micron & Larger	particles/ml	>10000	1,911	2,254	2,111
14 Micron & Larger	particles/ml	>80	129	179	147
21 Micron & Larger	particles/ml	>20	30	48	44
38 Micron & Larger	particles/ml	>4	0	3	3
70 Micron & Larger	particles/ml	>3	0	0	0

ICP - OILS (REPORTED IN PARTS PER MILLION)

Element	Unit	<5	<5	<5
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	19	9	19
Iron (Fe)	ppm	8	5	6
Lead (Pb)	ppm	13	6	12
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	6	9
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	234	356	319
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	20	13	11
Sulfur (S)	ppm	2,580	2,530	1,920

Customer Id: MOTMCA
Sample No.: EN24040862
Lab Number: 24040862
Test Package: TEST



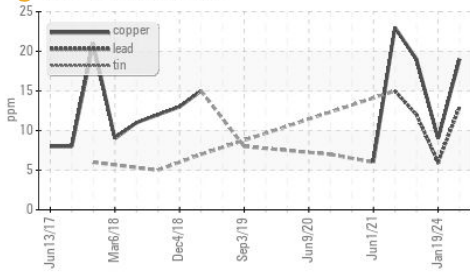
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OIL ANALYSIS REPORT

Non-ferrous Metals



DR FERROGRAPHY READINGS

L		■ 26.5	■ 12.8	■ 12.3
S		■ 10.7	■ 4.3	■ 4.2
WPC	DL + DS	■ 37.2	■ 17.1	■ 16.5

Contamination

Water	NEG	NEG	NEG
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Particle Trend

