

OIL ANALYSIS REPORT

Area [618586] MARION 8050 DL3124 (S/N 23187)

Front Hoist

Fluid BELRAY 1000 GL (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

A Wear

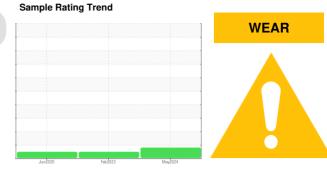
The aluminum level is abnormal. All component wear rates are normal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

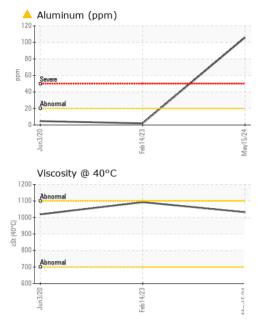
The condition of the oil is acceptable for the time in service.



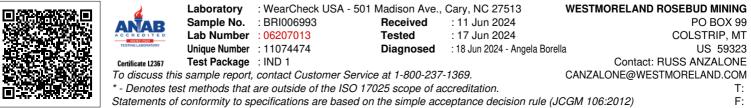
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		BRI006993	BRM001756	BRM000796
Sample Date		Client Info		15 May 2024	14 Feb 2023	03 Jun 2020
Machine Age	hrs	Client Info		126810	122910	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	64	73	124
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>20	<1	<1	1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	<u> </u>	2	5
Lead	ppm	ASTM D5185m	>20	5	2	0
Copper	ppm	ASTM D5185m	>20	26	41	74
Tin	ppm	ASTM D5185m	>20	1	<1	0
Antimony	ppm	ASTM D5185m				1003
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		13	0	<1
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		459	49	49
Manganese	ppm	ASTM D5185m		1	<1	1
Magnesium	ppm	ASTM D5185m		2	<1	2
Calcium	ppm	ASTM D5185m		9	12	11
Phosphorus	ppm	ASTM D5185m		395	276	189
Zinc	ppm	ASTM D5185m		63	19	29
Sulfur	ppm	ASTM D5185m		7473	6091	9041
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	36	44	43
Sodium	ppm	ASTM D5185m		3	1	<1
Potassium	ppm	ASTM D5185m	>20	4	0	13
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEC	NEG	NEG
	Jouran	VISUAI	20.00	NEG		
Free Water	scalar	*Visual	-	NEG	JSS AREALONE	



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FLUID PROPERT	TES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		1032.	1093	1019
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color				no image	no image	no image
Detter						(
Bottom				no image	no image	no image
GRAPHS						
Ferrous Alloys						
iron 20						
00						
80-						
60						
40						
20 -						
0 Linner	1/23 -		5/24			
Jun3/20	Feb14/23		May15/24			
Non-ferrous Metal	S					
70 - copper lead						
60						
40						
30 -						
20						
10						
0 U U U U U U U U U U U	Feb14/23		May15/24			
	Feb		May			
Viscosity @ 40°C						
00 - Abnormal	\sim					
00-						
50						
50 -						
00						
00 - Abnormal						
50 L+	4/23		5/24			
Jun3/20	Feb14/23		May15/24			
WearCheck USA - 50				WEST		
BRI006993 06207013	Rec Test		Jun 2024 Jun 2024		(PO BOX 99 COLSTRIP, M



cSt (40°C)

Contact/Location: RUSS ANZALONE - WESCOLMT