

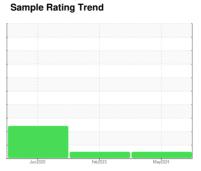
# **OIL ANALYSIS REPORT**

[618586]

# MARION 8050 DL3124 - DRAG CASE (S/N 23187)

**Front Gearbox** 

BELRAY 1000 (--- GAL)





#### Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

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

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		BRI006989	BRM001757	BRM000794
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				NORMAL	NORMAL	ABNORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	82	173	<b>▲</b> 757
Chromium	ppm	ASTM D5185m	>15	<1	1	6
Nickel	ppm	ASTM D5185m	>15	<1	2	9
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	12
Lead	ppm	ASTM D5185m	>100	4	2	4
Copper	ppm	ASTM D5185m	>200	47	111	196
Tin	ppm	ASTM D5185m	>25	1	0	0
Antimony	ppm	ASTM D5185m	>5			1250
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		32	32	50
Manganese	ppm	ASTM D5185m		2	2	7
Magnesium	ppm	ASTM D5185m		<1	<1	3
Calcium	ppm	ASTM D5185m		7	10	23
Phosphorus	ppm	ASTM D5185m		209	168	247
Zinc	ppm	ASTM D5185m		42	32	105
Sulfur	ppm	ASTM D5185m		6813	5581	7624
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	28	32	<u> </u>
Sodium	ppm	ASTM D5185m		2	<1	1
Potassium	ppm	ASTM D5185m	>20	4	0	2
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
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
					NODAN	

Appearance

**Emulsified Water** 

Odor

\*Visual

\*Visual

scalar

scalar

scalar \*Visual

scalar \*Visual

NORML

NORML

NORML

**NORML** 

**NEG** 

NEG

**NORML** 

NORML

n: WALT SHAW - WESCOLMT

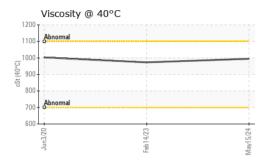
NEG

**NORML** 

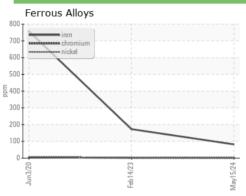
NORML

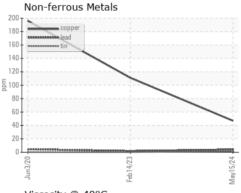


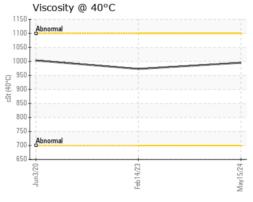
## **OIL ANALYSIS REPORT**













Certificate 12367

Laboratory Sample No. : BRI006989 **Lab Number** : 06207005 Unique Number : 11074466

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received Tested Diagnosed Test Package : IND 1

: 11 Jun 2024 : 13 Jun 2024

: 13 Jun 2024 - Wes Davis

WESTMORELAND ROSEBUD MINING PO BOX 99 COLSTRIP, MT US 59323

Contact: WALT SHAW WSHAW@WESTMORELAND.COM

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: WESCOLMT [WUSCAR] 06207005 (Generated: 06/13/2024 09:35:19) Rev: 1

Contact/Location: WALT SHAW - WESCOLMT

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