

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend

### NORMAL

# AF12-250-1320-0100 BOARD BREAKER HYDRAULIC UNIT

**Hydraulic System** 

MOBIL DTE 10 EXCEL 46 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			Aug2023	Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0824149	WC0824165	
Sample Date		Client Info		07 Sep 2023	15 Aug 2023	
Machine Age	yrs	Client Info		0	5	
Oil Age	yrs	Client Info		0	0	
Oil Changed	,	Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15	6	
Iron	ppm	ASTM D5185m	>20	5	<1	
Chromium	ppm	ASTM D5185m	>20	0	1	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	<1	0	
Lead	ppm	ASTM D5185m	>20	0	<1	
Copper	ppm	ASTM D5185m	>20	2	<1	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m	/ _0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
	ppin		l'an it //n an an			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Volybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m		0	<1	
Calcium	ppm	ASTM D5185m		109	107	
Phosphorus	ppm	ASTM D5185m		470	421	
Zinc	ppm	ASTM D5185m		18	13	
Sulfur	ppm	ASTM D5185m		1464	2041	
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	
Sodium	ppm	ASTM D5185m		2	0	
Potassium	ppm	ASTM D5185m	>20	0	1	
Water	%	ASTM D6304	>0.05	0.009	0.003	
ppm Water	ppm	ASTM D6304	>500	91.0	36.9	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3180	485	
Particles >6µm		ASTM D7647	>1300	94	116	
Particles >14µm		ASTM D7647	>160	15	21	
Particles >21µm		ASTM D7647	>40	9	6	
Particles >38µm		ASTM D7647	>10	2	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/14/11	16/14/12	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.046	0.111	
:13:54) Rev: 1						By: DAVID WILT

Report Id: ARAGRAUS [WUSCAR] 05963568 (Generated: 10/05/2023 00:13:54) Rev: 1



## **OIL ANALYSIS REPORT**



Submitted By: DAVID WILT Page 2 of 2

214

38

**ARAUCO - GRAYLING** 

5851 ARAUCO ROAD

GRAYLING, MI

US 49738

T:

F:

no image

no image

4406

:1999 Cle

14