

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend

NORMAL

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

**Hydraulic System** 

MOBIL DTE 10 EXCEL 46 (--- 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

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

### Fluid Condition

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

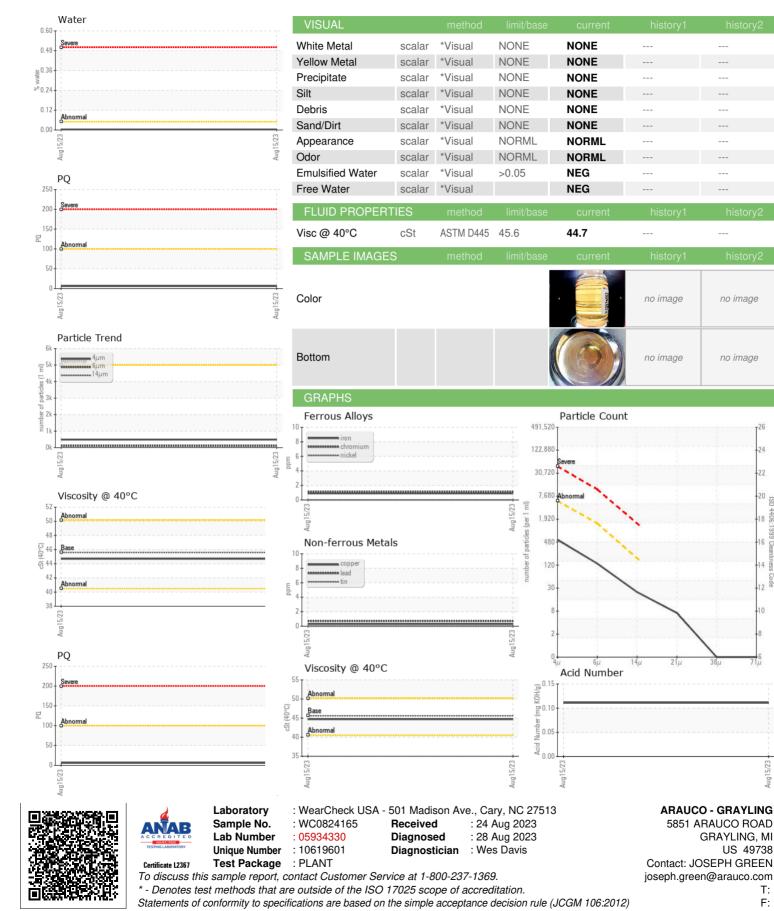
				Aug2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0824165		
Sample Date		Client Info		15 Aug 2023		
Machine Age	yrs	Client Info		5		
Oil Age	yrs	Client Info		0		
Oil Changed	-	Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		6		
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>20	1		
	ppm	ASTM D5185m	>20	0		
	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m	>20	0		
	ppm	ASTM D5185m		<1		
	ppm	ASTM D5185m	>20	<1		
	ppm	ASTM D5185m		0		
		ASTM D5185m	220	0		
	ppm			0		
	ppm	ASTM D5185m				
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Volybdenum	ppm	ASTM D5185m		0		
Vanganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		107		
Phosphorus	ppm	ASTM D5185m		421		
Zinc	ppm	ASTM D5185m		13		
Sulfur	ppm	ASTM D5185m		2041		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m	>20	1		
	%	ASTM D6304	>0.05	0.003		
	ppm	ASTM D6304	>500	36.9		
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	485		
Particles >6µm		ASTM D7647	>1300	116		
Particles >14µm		ASTM D7647	>160	21		
Particles >21µm		ASTM D7647		6		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/12		
FLUID DEGRADAT		method	limit/base	current	history1	history2
			- mm/base		THSIOLA I	
( )	mg KOH/g	ASTM D8045		0.111		
:12:05) Rev: 1					Supmitted E	8v: DAVID WI

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Submitted By: DAVID WILT



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5851 ARAUCO ROAD

GRAYLING, MI

US 49738

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