

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.

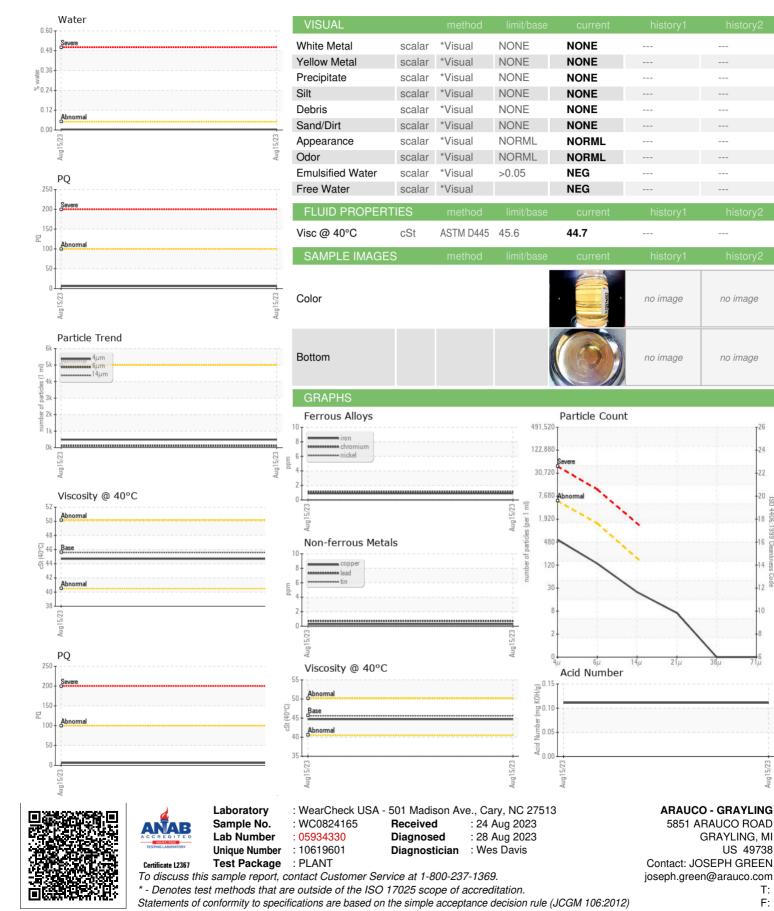
				Aug2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0824165		
Sample Date		Client Info		15 Aug 2023		
Machine Age	yrs	Client Info		5		
Oil Age	yrs	Client Info		0		
Oil Changed	-	Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	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		
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Submitted By: DAVID WILT



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5851 ARAUCO ROAD

GRAYLING, MI

US 49738

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