

PROBLEM SUMMARY

Sample Rating Trend

ISO

Machine Id

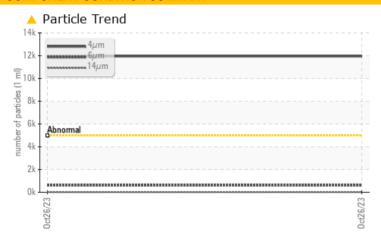
AF12-130-1405-3000 FLAKER 3 HYDRAULIC UNIT

Component

Hydraulic System

MOBIL DTE 10 EXCEL 46 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

PROBLEMATIC TEST RESULTS								
Sample Status			ABNORMAL					
Particles >4µm	ASTM D7647	>5000	<u> </u>					
Oil Cleanliness	ISO 4406 (c)	\19/17/1 <i>4</i>	A 21/16/11					

Customer Id: ARAGRAUS Sample No.: WC0824135 Lab Number: 05996704 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Filter			?	We recommend you service the filters on this component.			
Resample			?	We recommend an early resample to monitor this condition.			
Information Required			?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.			



OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

AF12-130-1405-3000 FLAKER 3 HYDRAULIC UNIT

Component

Hydraulic System

MOBIL DTE 10 EXCEL 46 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. 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 a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

Fluid Condition

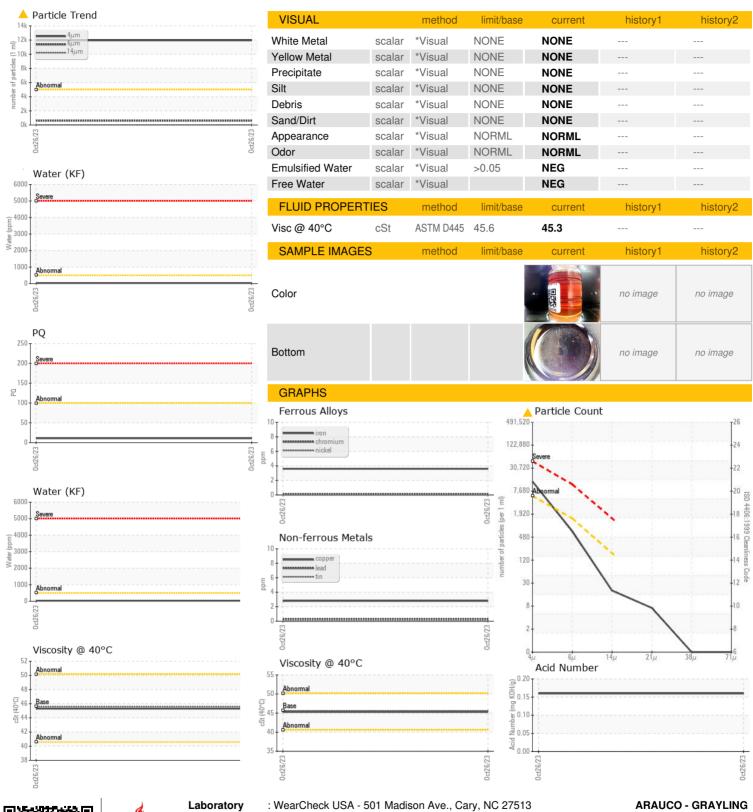
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

				Oct2023		
SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0824135		
Sample Date		Client Info		26 Oct 2023		
Machine Age	mths	Client Info		66		
Oil Age	mths	Client Info		6		
Oil Changed	111110	Client Info		N/A		
Sample Status		Oliciit iiilo		ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		11		
Iron	ppm	ASTM D5185m	>20	4		
Chromium		ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m	>20	0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	<1		
	ppm					
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	3		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		89		
Phosphorus	ppm	ASTM D5185m		405		
Zinc	ppm	ASTM D5185m		159		
Sulfur	ppm	ASTM D5185m		2505		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	8		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.05	0.003		
ppm Water	ppm	ASTM D6304	>500	29.8		
FLUID CLEANLI	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>1300	605		
Particles >14µm		ASTM D7647	>160	17		
Particles >21µm		ASTM D7647	>40	6		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 21/16/11		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

0.16



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

: 02 Nov 2023 : WC0824135 Received : 05996704 Diagnosed : 03 Nov 2023 : 10725064 Diagnostician Test Package : PLANT

: Wes Davis

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)

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