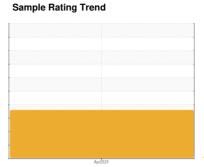


# **OIL ANALYSIS REPORT**

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Machine Id

Component Hydraulic System

BIO FLO HDFU 46 (--- GAL)

## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil. There is a trace of moisture present in the oil

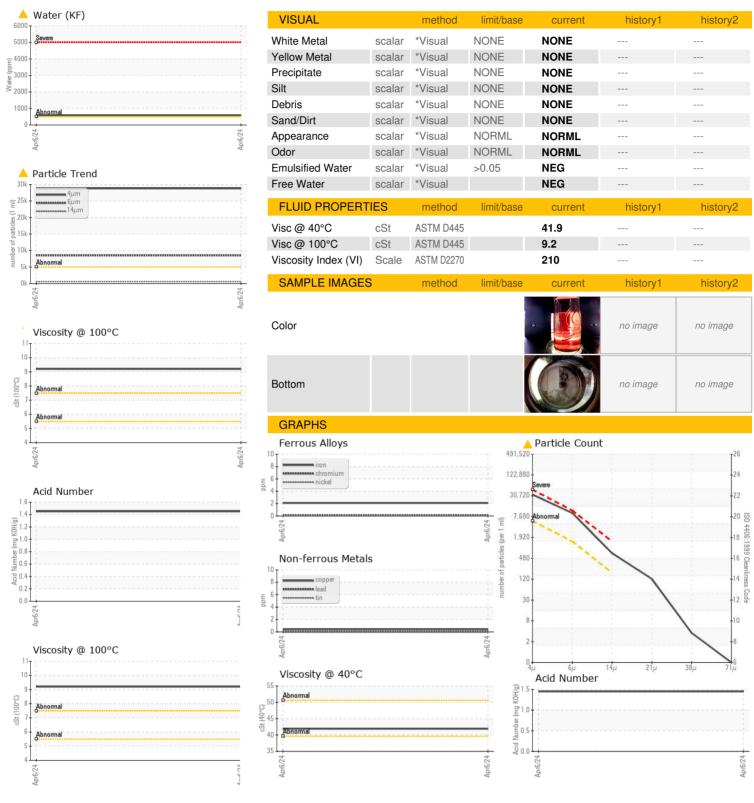
### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

				Apr2024		
0.4451.5.0555						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60002539		
Sample Date		Client Info		06 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	PP	method	limit/base	current	history1	history2
			IIIIIIVDase			,
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		16		
Phosphorus	ppm	ASTM D5185m		207		
Zinc	ppm	ASTM D5185m		61		
Sulfur	ppm	ASTM D5185m		1746		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.05	<u> </u>		
ppm Water	ppm	ASTM D6304	>500	<u>▲</u> 575		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>28780</b>		
Particles >6µm		ASTM D7647	>1300	<u>A</u> 8497		
Particles >14μm		ASTM D7647	>160	<b>593</b>		
Particles >21µm		ASTM D7647	>40	<b>108</b>		
Particles >38µm		ASTM D7647	>10	3		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>22/20/16</u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.45		



# **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TO60002539 Lab Number : 06207077

Unique Number : 11074538

Received : 11 Jun 2024 **Tested** : 13 Jun 2024 Diagnosed

: 13 Jun 2024 - Angela Borella

Test Package : IND 2 (Additional Tests: KF, KV100, VI) To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **DICKSON TESTING CO INC** 11126 PALMER AVE

SOUTH GATE, CA US 90280 Contact: JESUS ZAVALA

jesus.zavala@dicksontesting.com T:

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

Report Id: DICSOUTO [WUSCAR] 06207077 (Generated: 06/13/2024 16:36:21) Rev: 1

Contact/Location: JESUS ZAVALA - DICSOUTO

F: