

# **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

# Machine Id MOLDER 31 (S/N 202115036025935) Component

Hydraulic System

DYNAFLOW AW 46 (35 GAL)

## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. 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.

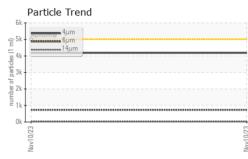
				Nov2023				
SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2		
Sample Number		Client Info		WC0848544				
Sample Date		Client Info		10 Nov 2023				
Machine Age	hrs	Client Info		1055				
Oil Age	hrs	Client Info		1055				
Oil Changed		Client Info		Not Changd				
Sample Status				NORMAL				
CONTAMINATIO	N	method	limit/base	current	history1	history2		
Water		WC Method	>0.05	NEG				
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>20	0				
Chromium	ppm	ASTM D5185m	>20	0				
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				
/anadium	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		0				
Volybdenum	ppm	ASTM D5185m		0				
Vanganese	ppm	ASTM D5185m		0				
Magnesium	ppm	ASTM D5185m		0				
Calcium	ppm	ASTM D5185m		37				
Phosphorus	ppm	ASTM D5185m		389				
Zinc	ppm	ASTM D5185m		529				
Sulfur	ppm	ASTM D5185m		994				
CONTAMINANTS	;	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>15	2				
Sodium	ppm	ASTM D5185m		1				
Potassium	ppm	ASTM D5185m	>20	0				
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647	>5000	4181				
Particles >6µm		ASTM D7647	>1300	736				
Particles >14µm		ASTM D7647	>160	37				
Particles >21µm		ASTM D7647	>40	9				
Particles >38μm		ASTM D7647	>10	0				
Particles >71µm		ASTM D7647	>3	0				
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/12				
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045		0.47				
01:54) Rev: 1		Contact/Location: JODIE LAFONE - ACTHIC						

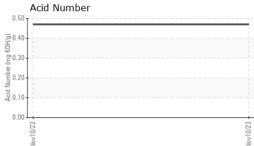
Report Id: ACTHIC [WUSCAR] 06017308 (Generated: 11/28/2023 11:01:54) Rev: 1

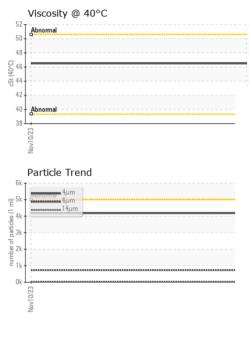
Contact/Location: JODIE LAFONE - ACTHIC



# **OIL ANALYSIS REPORT**







White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES Color	cSt	<ul> <li>*Visual</li> <li>*Orsual</li> &lt;</ul>	NONE NONE NONE NONE NORML NORML >0.05 Imit/base	NONE NONE NONE LIGHT NORML NORML NORML NEG NEG NEG Lurrent 46.5	      history1	       history2
Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual <b>method</b> ASTM D445	NONE NONE NONE NORML NORML >0.05	NONE NONE LIGHT NORML NORML NEG NEG NEG Current 46.5		
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual <b>*</b> Visual <b>method</b> ASTM D445	NONE NONE NORML NORML >0.05	NONE LIGHT NONE NORML NORML NEG NEG NEG Current 46.5	   	    
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar ES cSt	*Visual *Visual *Visual *Visual *Visual *Visual <b>method</b> ASTM D445	NONE NORML NORML >0.05	LIGHT NONE NORML NORML NEG NEG current 46.5	  	   
Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar ES cSt	*Visual *Visual *Visual *Visual *Visual *Visual <b>method</b> ASTM D445	NONE NORML NORML >0.05	LIGHT NONE NORML NORML NEG NEG current 46.5	  	  
Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar ES cSt	*Visual *Visual *Visual *Visual *Visual <b>method</b> ASTM D445	NONE NORML >0.05	NONE NORML NORML NEG NEG current 46.5		
Appearance Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar ES cSt	*Visual *Visual *Visual *Visual method ASTM D445	NORML NORML >0.05 limit/base	NORML NORML NEG NEG current 46.5		
Odor Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar ES cSt	*Visual *Visual *Visual method ASTM D445	NORML >0.05 limit/base	NORML NEG NEG current 46.5		
Emulsified Water Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar scalar ES cSt	*Visual *Visual method ASTM D445	>0.05 limit/base	NEG NEG current 46.5		
Free Water FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	scalar IES cSt	*Visual method ASTM D445	limit/base	NEG current 46.5		
FLUID PROPERTI Visc @ 40°C SAMPLE IMAGES	IES cSt	method ASTM D445		current 46.5		
Visc @ 40°C SAMPLE IMAGES	cSt	ASTM D445		46.5		
SAMPLE IMAGES			limit/base			
		method				history2
Color					Thistory I	Thistory 2
				* *	no image	no image
Bottom					no image	no image
GRAPHS						
				Particle Count		
			491,520			T <sup>26</sup>
iron			122.880			-24
6 nickel			122,000	Severe		72.4
			30,720	<b>*</b> •••		-22
			7 680	Abaamad		20
				Anorma		-20
v10/v			1,920 Lag 1,920			-18 -16 -14
-			Ne Ne			10
	; 		·E 480			16
copper			ja 120			+14
sessesses lead					1	
			30	†		-12
2			8	-		10
0/23			2 0/23	•		-8
Nov1			Nov1			
Viscosity @ 40°C			4	μ 6μ	14μ 21μ	38µ 71µ
5T :			0.50			
			B/HO 0.40			
			E.0.30			
<b>1</b>			ਮੂਰ ਦ 0.20			
				1		
5			0.00 Port			
				0/23		Nov10.23
Nov1			Nov1	Nov1		
WC0848544 R 06017308 D		l : 24 ed : 28		ACTION	545 20T	PPLY - HICKOR TH STREET S HICKORY, NO US 2860
IND 2	•		3 Davis		Contrati	ODIE LAFON
	Non-ferrous Metals	Non-ferrous Metals	Non-ferrous Metals	491,520 491,520 122,880 122,880 122,880 122,880 122,880 122,880 122,880 122,880 1,920 Non-ferrous Metals 120 Non-ferrous Metals 120 120 120 120 120 120 120 120	WearCheck USA - 501 Madison Ave., Cary, NC 27513 WC0848544 Received : 24 Nov 2023	WearCheck USA - 501 Madison Ave., Cary, NC 27513 WC0848544 WearSheck USA - 501 Madison Ave., Cary, NC 27513 Monet and the served in the served

To discuss this sample repor \* - 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)

Certificate L2367

Contact/Location: JODIE LAFONE - ACTHIC

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