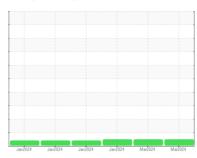


# **OIL ANALYSIS REPORT**

#### **Sample Rating Trend**





Component Hydraulic System Fluid EP 320 (--- GAL)

## DIAGNOSIS

## Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your 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.

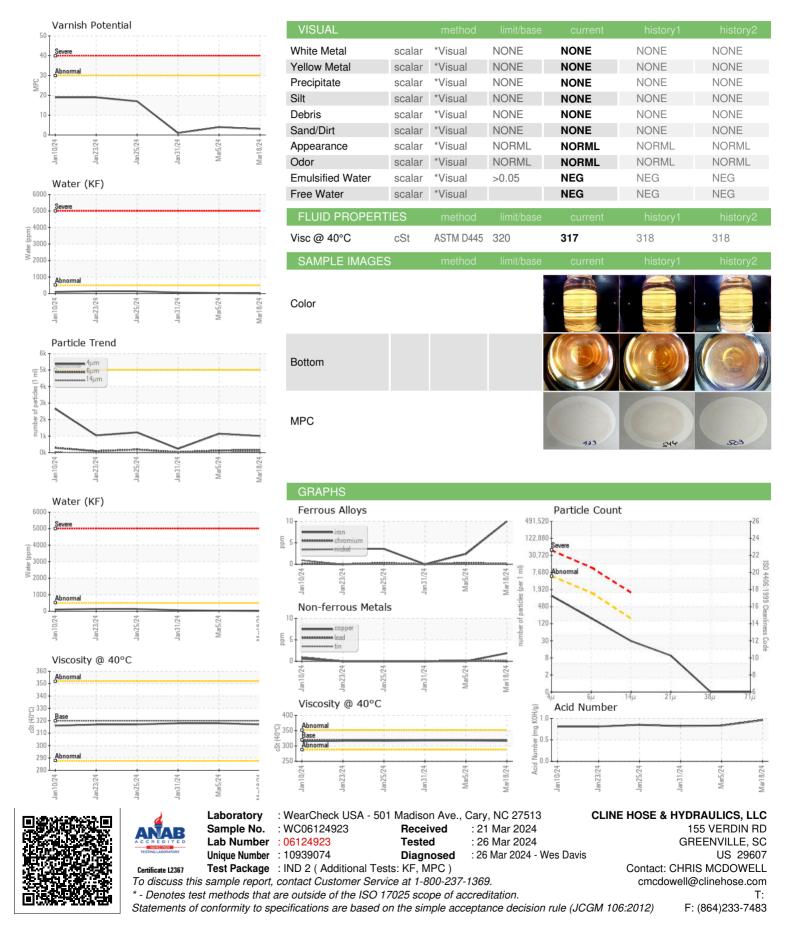
## **Fluid Condition**

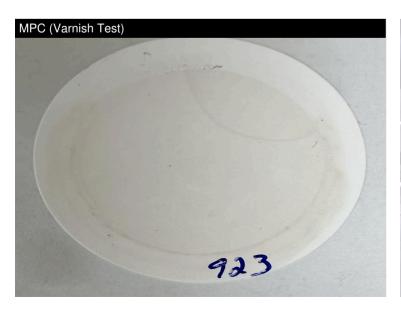
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Jan2024	Jan2024 Jan2024	Jan2024 Mar2024	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06124923	WC06116546	WC06082503
Sample Date		Client Info		18 Mar 2024	05 Mar 2024	31 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1110	Client Info		N/A	N/A	N/A
Sample Status		Olioni illio		NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	10	2	0
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m	>20	0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	• •	ASTM D5185m	>20	0	2	0
Lead	ppm	ASTM D5185m	>20	0	<1	0
	ppm			2		
Copper Tin	ppm	ASTM D5185m	>20		0	0
	ppm	ASTM D5185m	>20	<1 0	0	0
Vanadium	ppm	ASTM D5185m		-	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		16	17	20
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		1	0	0
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		55	5	0
Phosphorus	ppm	ASTM D5185m		435	363	430
Zinc	ppm	ASTM D5185m		18	4	0
Sulfur	ppm	ASTM D5185m		6569	5377	5567
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	0
Sodium	ppm	ASTM D5185m		1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>0.05	0.001	0.003	0.006
ppm Water	ppm	ASTM D6304	>500	14	34	61
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1009	1146	232
Particles >6µm		ASTM D7647	>1300	164	131	32
Particles >14µm		ASTM D7647	>160	26	14	4
Particles >21µm		ASTM D7647	>40	8	4	2
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	17/14/11	15/12/9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.96	0.833	0.82
MPC Varnish Potential		ASTM D7843	>15	3	4	1
9:24:00) Pov: 2			0	1/1 1/1 01	IDIC MODOWEI	L CLICRESC



## **OIL ANALYSIS REPORT**







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