

## Machine Id HAMM HC 120iP WGH0H252HHAA00249 Component Hydraulic System

## {not provided} (--- GAL)

RECO	MME	NDATI	ON

No corrective action is recommended at this time. Resample at the next service interval to monitor.



All component wear rates are normal.

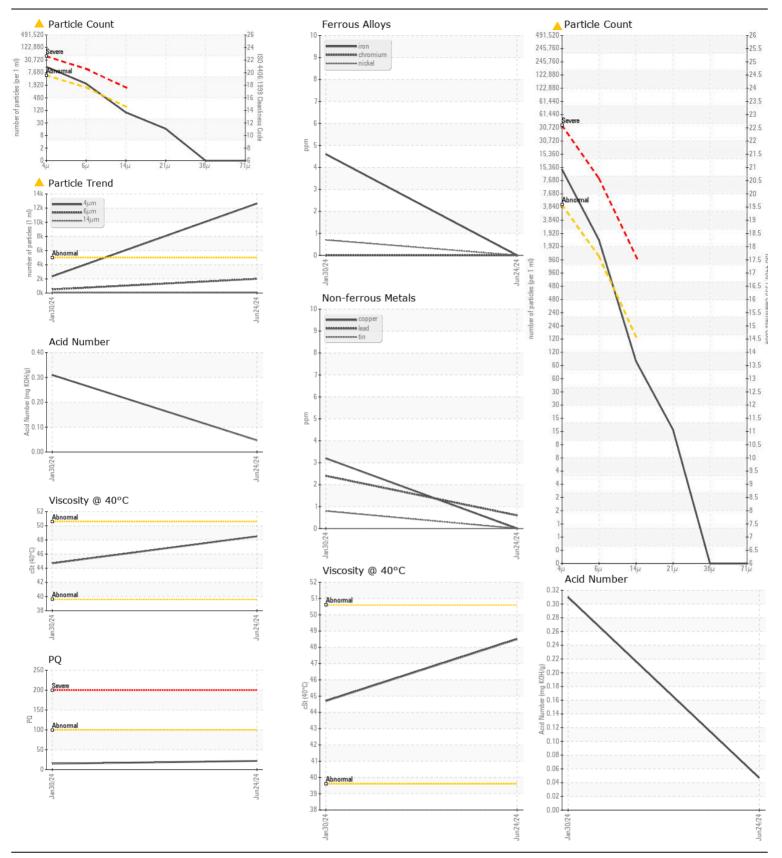
## CONTAMINATION

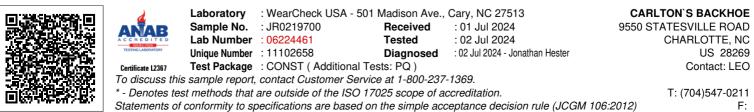
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Nu	mber	Client Info		JR0219700	JR0203679	
Sample Da	ate	Client Info		24 Jun 2024	30 Jan 2024	
Machine A	ge hrs	Client Info		1139	570	
Oil Age	hrs	Client Info		1139	570	
Filter Age	hrs	Client Info		0	570	
Oil Chang	ed	Client Info		Not Changd	Not Changd	
Filter Char	nged	Client Info		Not Changd	Not Changd	
Sample St	atus			ABNORMAL	NORMAL	
PQ		ASTM D8184		22	15	
Iron	ppm	ASTM D5185m	>20	0	5	
Chromium	1-1-	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>10	0	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	10	0	<1	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	
Lead	ppm	ASTM D5185m	>10	<1	2	
Copper	ppm	ASTM D5185m	>75	0	3	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m	NONE	0		
White Met		*Visual	NONE	NONE	NONE	
Yellow Me	tal scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>20	1	4	
Potassium		ASTM D5185m		<1	3	
Water	ppm	WC Method	>0.1	NEG	NEG	
Particles >	4um	ASTM D7647		▲ 12644	2360	
Particles >		ASTM D7647	>1300	12044	508	
Particles >1	· .	ASTM D7647		84	56	
Particles >2	•	ASTM D7647	>40	14	19	
Particles >3	•	ASTM D7647		0	1	
Particles >7		ASTM D7647	>3	0	0	
Oil Cleanli	•	ISO 4406 (c)		<u> </u>	18/16/13	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified V	Vater scalar	*Visual	>0.1	NEG	NEG	
Sodium	ppm	ASTM D5185m		0	2	
Boron	ppm	ASTM D5185m		<1	0	
Barium	ppm	ASTM D5185m		0	0	
Molybden		ASTM D5185m		<1	<1	
Manganes		ASTM D5185m		<1	2	
Magnesiur	n ppm	ASTM D5185m		0	66	
Calcium	ppm	ASTM D5185m		7	22	
Phosphoru		ASTM D5185m		704	272	
Zinc		ASTM D5185m		24	349	
	ppm					
Sulfur	ppm	ASTM D5185m		0	860	
Sulfur Acid Number Visc @ 40	ppm • (AN) mg KOH/g					





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