

Machine Id **3221272** Component **Hydraulic System** Fluid **AW HYDRAULIC OIL ISO 32 (--- GAL)**

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We recommend you service the filters on this component. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

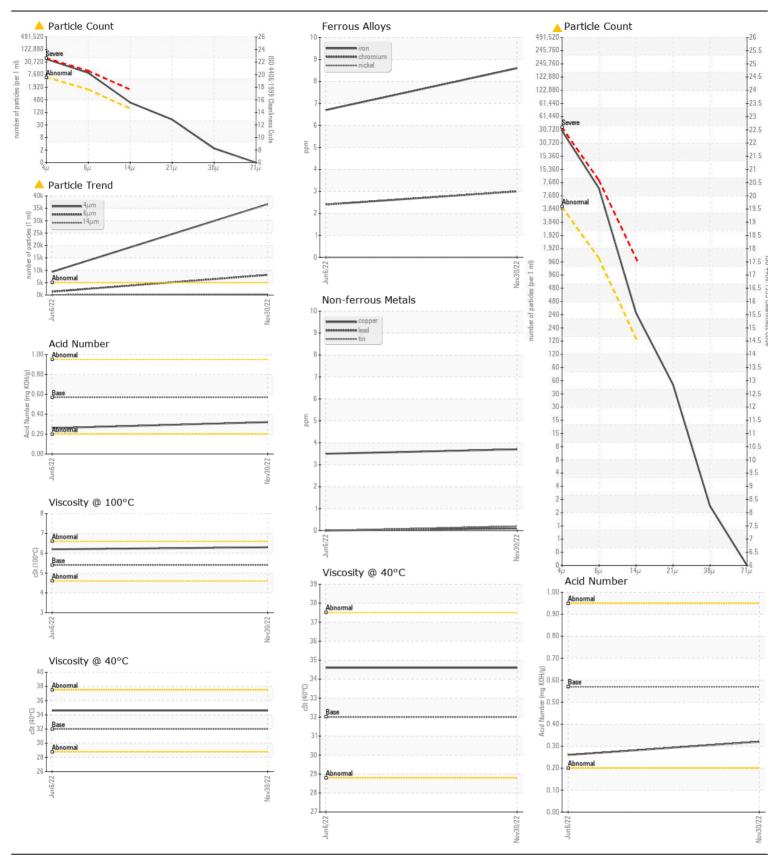
CONTAMINATION

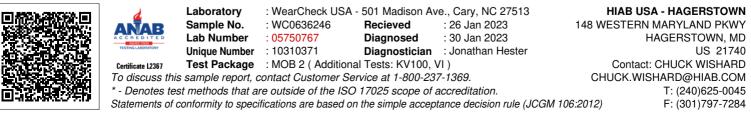
There is a high amount of particulates present in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2					
Sample Number		Client Info		WC0636246	WC0664358						
Sample Date		Client Info		30 Nov 2022	06 Jun 2022						
Machine Age	hrs	Client Info		0	0						
Oil Age	hrs	Client Info		0	0						
Filter Age	hrs	Client Info		0	0						
Oil Changed	1113	Client Info		Not Changd	Not Changd						
Filter Changed		Client Info		Changed	Changed						
Sample Status				ABNORMAL	ATTENTION						
				ATTENTION							
Iron	ppm	ASTM D5185m	>20	9	7						
Chromium	ppm	ASTM D5185m	>10	3	2						
Nickel	ppm	ASTM D5185m	>10	0	0						
Titanium	ppm	ASTM D5185m		<1	0						
Silver	ppm	ASTM D5185m		0	0						
Aluminum	ppm	ASTM D5185m	>10	0	<1						
Lead	ppm	ASTM D5185m	>10	۰ <1	0						
Copper	ppm	ASTM D5185m	>75	4	4						
Tin	ppm	ASTM D5185m	>10	+ <1	4						
Vanadium	ppm	ASTM D5185m	210	0	0						
White Metal	scalar	*Visual	NONE	VLITE	NONE						
Yellow Metal	scalar	*Visual	NONE	NONE	NONE						
	Scalai	visuai	NONL		INCINE						
Silicon	ppm	ASTM D5185m	>20	1	<1						
Potassium	ppm	ASTM D5185m	>20	<1	0						
Water		WC Method	>0.1	NEG	NEG						
Particles >4µm		ASTM D7647	>5000	▲ 36699	▲ 9344						
Particles >6µm		ASTM D7647	>1300	A 8120	▲ 1349						
Particles >14µm		ASTM D7647	>160	313	104						
Particles >21µm		ASTM D7647	>40	48	36						
Particles >38µm		ASTM D7647	>10	2	2						
Particles >71µm		ASTM D7647	>3	0	1						
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 22/20/15	▲ 20/18/14						
Silt	scalar	*Visual	NONE	NONE	NONE						
Debris	scalar	*Visual	NONE	VLITE	NONE						
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE						
Appearance	scalar	*Visual	NORML	NORML	NORML						
Odor	scalar	*Visual	NORML	NORML	NORML						
Emulsified Water		*Visual	>0.1	NEG	NEG						
Sodium	ppm	ASTM D5185m		0	1						
Boron	ppm	ASTM D5185m	5	0	3						
Barium	ppm	ASTM D5185m	5	1	0						
Molybdenum	ppm	ASTM D5185m	5	1	1						
Manganese	ppm	ASTM D5185m		<1	0						
Magnesium	ppm	ASTM D5185m	25	14	12						
Calcium	ppm	ASTM D5185m	200	100	94						
Phosphorus	ppm	ASTM D5185m	300	328	342						
Zinc	ppm	ASTM D5185m	370	410	417						
Sulfur	ppm	ASTM D5185m	2500	3306	3474						
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.32	0.26						
Visc @ 40°C	cSt	ASTM D445	32	34.6	34.6						
Visc @ 100°C	cSt	ASTM D445	5.4	6.3	6.2						
Viscosity Index (VI)	Scale	ASTM D2270	102	133	128						





Contact/Location: CHUCK WISHARD - CARHAG