

Machine Id CHICAGO WARRIOR - WHEEL HOUSE LIFT Component Hydraulic System

{not provided} (--- GAL)

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RECOMMENDATION	Test Sample Number	UOM	Method Client Info	Limit/Abn	Current MW0034958	History1 MW0011276	History2
We recommend you service the filters on this component. Resample at the next service interval to monitor.	Sample Date		Client Info		24 Jan 2023	27 Jan 2021	
	Machine Age	hrs	Client Info		0	0	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed	1110	Client Info		N/A	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status		onone into		ABNORMAL	SEVERE	
WEAR The iron level is abnormal. All other component wear rates are normal.	Iron	ppm	ASTM D5185m	>20	4 1	5 46	
	Chromium	ppm	ASTM D5185m	>10	0	<1	
	Nickel	ppm	ASTM D5185m	>10	0	<1	
	Titanium	ppm	ASTM D5185m		0	<1	
	Silver	ppm	ASTM D5185m		0	<1	
	Aluminum	ppm	ASTM D5185m	>10	0	6	
	Lead	ppm	ASTM D5185m	>10	<1	4	
	Copper	ppm	ASTM D5185m	>75	2	36	
	Tin	ppm	ASTM D5185m	>10	0	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Silicon				<u></u>	A 00	
CONTAMINATION		ppm	ASTM D5185m		2 1	▲ 23 C	
There is a high amount of particulates present in the oil.	Potassium Water	ppm	ASTM D5185m		NEG	6 NEG	
			WC Method				
	Particles >4µm Particles >6µm		ASTM D7647 ASTM D7647		▲ 175090 ▲ 94327		
	Particles >0µm Particles >14µm		ASTM D7647 ASTM D7647		▲ 94327 ▲ 1824		
	Particles >21µm		ASTM D7647 ASTM D7647	>40	▲ 181		
	Particles >38µm		ASTM D7647 ASTM D7647		▲ 12		
	Particles >71µm		ASTM D7647 ASTM D7647		1		
	Oil Cleanliness		ISO 4406 (c)		25/24/18		
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	LIGHT	▲ MODER	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	MILKY	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.1	NEG	▲ 0.2%	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	17	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0	7	
	Barium	ppm	ASTM D5185m		1	0	
	Molybdenum	ppm	ASTM D5185m		<1	0	
	Manganese	ppm	ASTM D5185m		<1	6	
	Magnesium	ppm	ASTM D5185m		3	13	
	Calcium	ppm	ASTM D5185m		49	78	
	Phosphorus	ppm	ASTM D5185m		104	265	
	Zinc	ppm	ASTM D5185m		40	132	
	Sulfur	ppm	ASTM D5185m		340	560	
	Acid Number (AN)	ma K∩⊔/a	ACTM DO0/5		0.15	0.060	

Acid Number (AN) mg KOH/g ASTM D8045

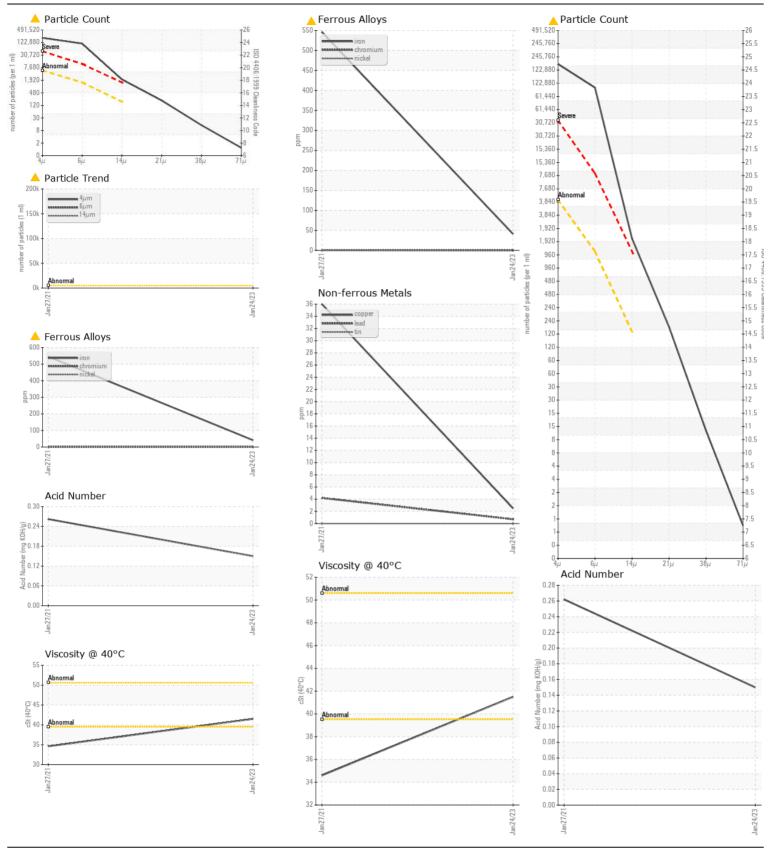
Visc @ 40°C cSt ASTM D445

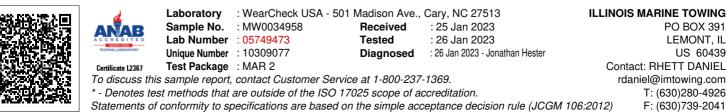
0.15

41.5

0.262

34.6





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