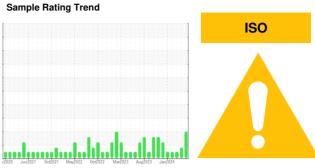


## **OIL ANALYSIS REPORT**



# PRESS

# LOADER UNLOADER HYD SYSTEM RESERVOIR (S/N PR4)

**Hydraulic System** 

**AW HYDRAULIC OIL ISO 68 (--- GAL)** 

### **DIAGNOSIS**

#### Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. 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

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

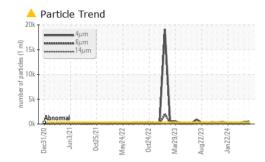
#### **Fluid Condition**

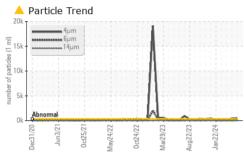
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

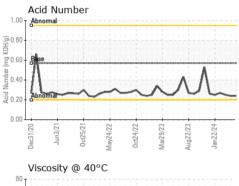
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0895139	WC0895059	WC0895016
Sample Date		Client Info		30 May 2024	23 Apr 2024	28 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm		>20	3	2	2
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	<1	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	25	3	<1	1
Calcium	ppm	ASTM D5185m	200	60	60	54
Phosphorus	ppm	ASTM D5185m	300	365	343	328
Zinc	ppm	ASTM D5185m	370	442	452	425
Sulfur	ppm	ASTM D5185m	2500	1003	965	963
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	0
Sodium	ppm	ASTM D5185m		<1	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>320	<b>502</b>	421	177
Particles >6µm		ASTM D7647	>80	<b>88</b>	67	44
Particles >14μm		ASTM D7647	>10	<u> </u>	5	5
Particles >21µm		ASTM D7647	>3	<u>^</u> 6	1	2
Particles >38μm		ASTM D7647	>3	1	0	0
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>15/13/10	<b>16/14/11</b>	<b>1</b> 6/13/10	15/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

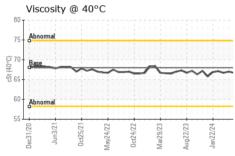


## **OIL ANALYSIS REPORT**

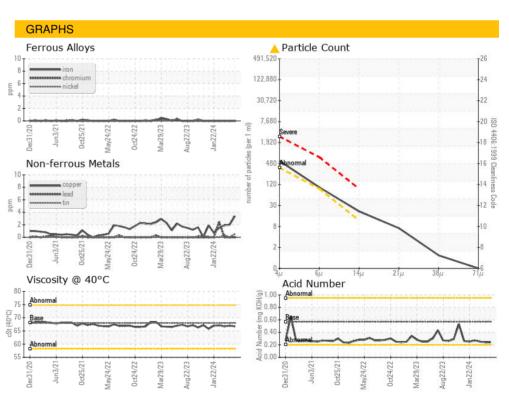








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	66.7	67.0	66.7
SAMPLE IMAGES		method	limit/base	current	history1	history2







Laboratory Sample No.

Lab Number : 06200091

: WC0895139 Unique Number : 11062214

Color

**Bottom** 

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Jun 2024 **Tested** : 06 Jun 2024

> Diagnosed : 06 Jun 2024 - Wes Davis

Test Package : IND 2 Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

J.M. Huber Corporation PO BOX 38

CRYSTAL HILL, VA US 24539 Contact: Ted Hudson

ted.hudson@huber.com T: (434)476-6628

F: (434)476-8133

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)