



Machine Id  
**BENCH TEST**

Component  
**Hydraulic System**

Fluid  
**AW HYDRAULIC OIL ISO 32 (800 LTR)**

**RECOMMENDATION**

Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ST45615</b>	ST43064	ST43488
Sample Date		Client Info		<b>01 Apr 2024</b>	19 Mar 2024	05 Feb 2024
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>36</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	SEVERE

**WEAR**

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>20	<b>1</b>	1	2
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>20	<b>1</b>	2	2
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

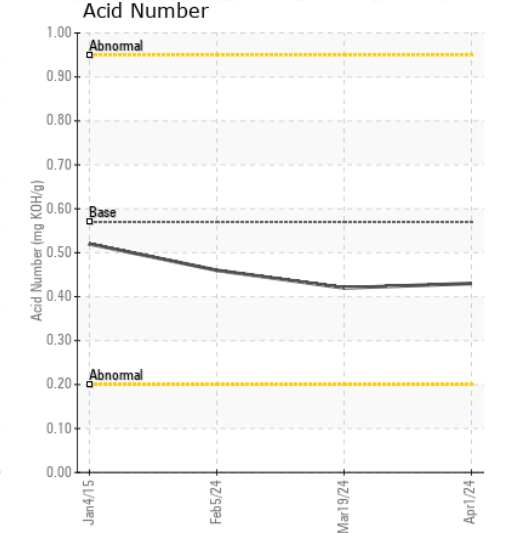
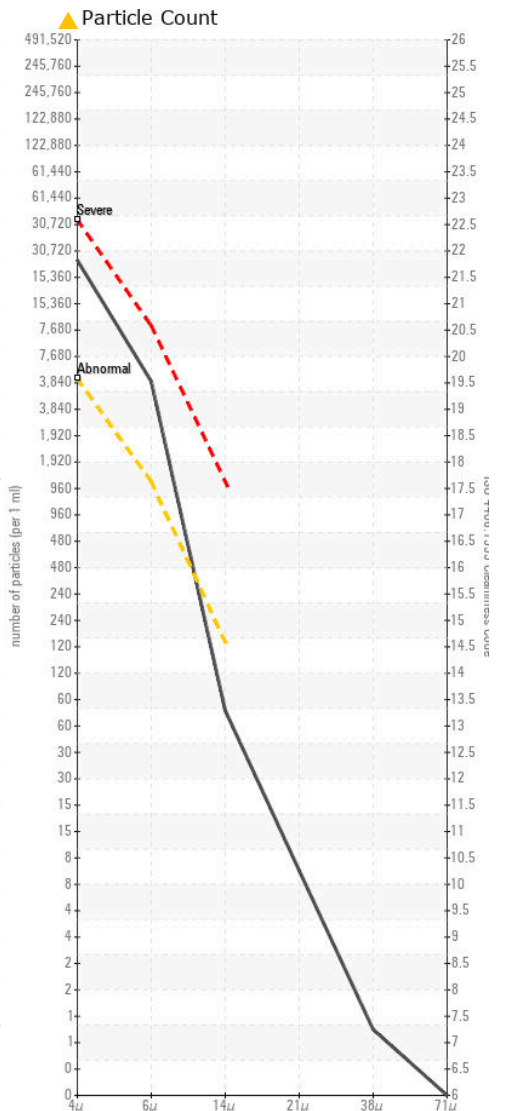
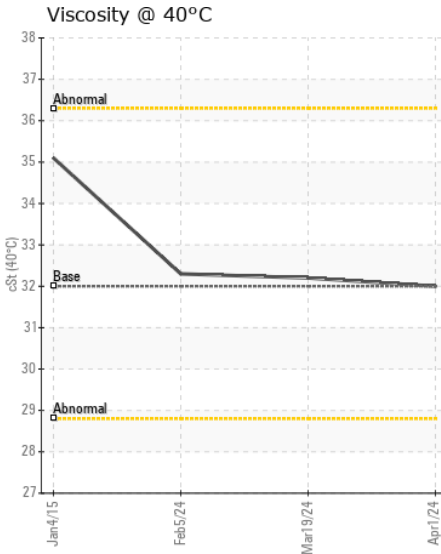
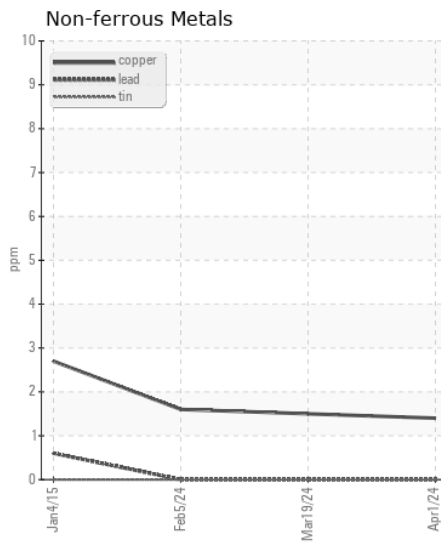
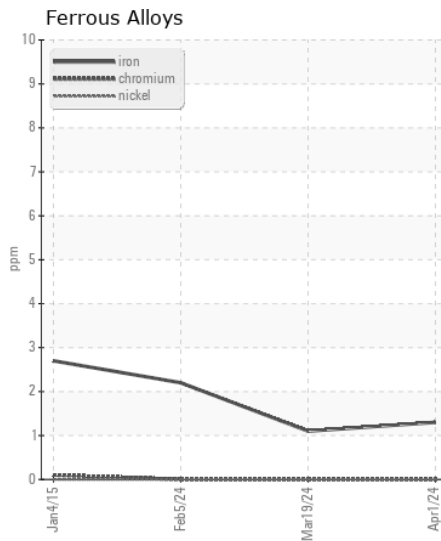
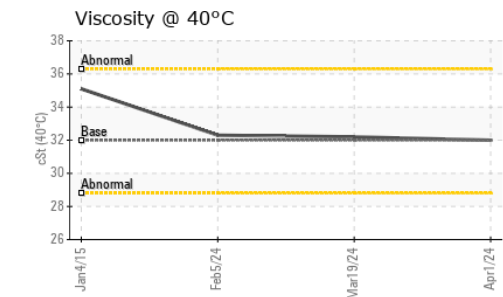
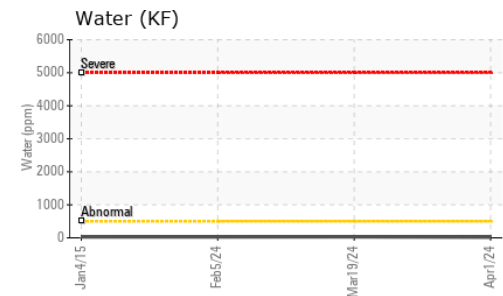
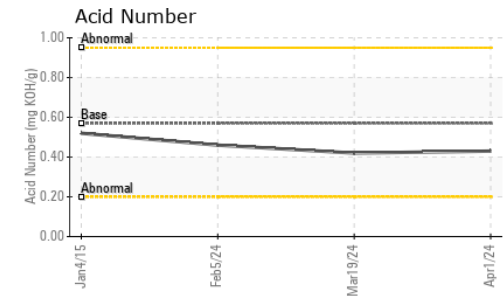
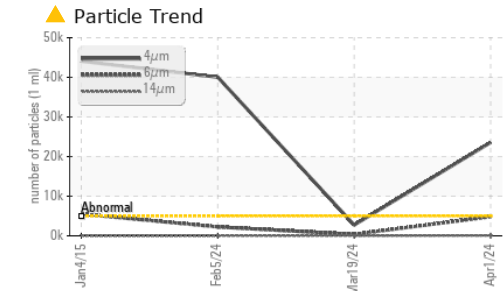
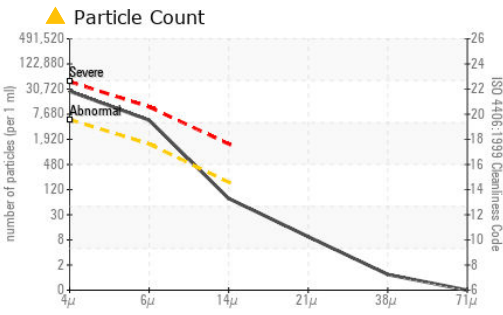
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile. La teneur en eau est négligeable.

Silicon	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	1
Potassium	ppm	ASTM D5185(m)	>20	<b>5</b>	6	6
Water	%	ASTM D6304*	>0.05	<b>0.002</b>	0.003	0.003
ppm Water	ppm	ASTM D6304*	>500	<b>17</b>	29	26
Particles >4µm		ASTM D7647	>5000	<b>▲ 23571</b>	2733	▲ 40041
Particles >6µm		ASTM D7647	>1300	<b>▲ 4817</b>	358	● 2249
Particles >14µm		ASTM D7647	>160	<b>65</b>	8	13
Particles >21µm		ASTM D7647	>40	<b>8</b>	2	3
Particles >38µm		ASTM D7647	>10	<b>1</b>	1	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 22/19/13</b>	19/16/10	▲ 23/18/11
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

Le AN est acceptable pour ce fluide. l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	2
Boron	ppm	ASTM D5185(m)	5	<b>2</b>	2	2
Barium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	<1	1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	25	<b>11</b>	12	11
Calcium	ppm	ASTM D5185(m)	200	<b>140</b>	141	139
Phosphorus	ppm	ASTM D5185(m)	300	<b>377</b>	373	376
Zinc	ppm	ASTM D5185(m)	370	<b>476</b>	473	461
Sulfur	ppm	ASTM D5185(m)	2500	<b>1176</b>	1158	1245
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	<b>0.43</b>	0.42	0.46
Visc @ 40°C	cSt	ASTM D7279(m)	32	<b>32.0</b>	32.2	32.3



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : ST45615 **Received** : 02 Apr 2024  
**Lab Number** : 02626092 **Tested** : 03 Apr 2024  
**Unique Number** : 5759224 **Diagnosed** : 03 Apr 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KF )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

**HYDROMEC INC**  
 2921, BLVD WALLBERG  
 DOLBEAU, QC  
 CA G8L 1L6  
 Contact: Melissa Dubois  
 serviceadministrator@hydromec.ca  
 T: (418)276-5831E x:t253  
 F: (418)276-8166