



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**ELTEC 0176**  
 Component  
**Hydraulic System**  
 Fluid  
**AW HYDRAULIC OIL ISO 32 (300 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>ST45616</b>	ST41383	ST41338
Sample Date		Client Info		<b>26 Apr 2024</b>	21 Apr 2021	23 Mar 2021
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	1094	963
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ATTENTION	ABNORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>20	<b>5</b>	4	8
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>20	<b>2</b>	2	5
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1
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**

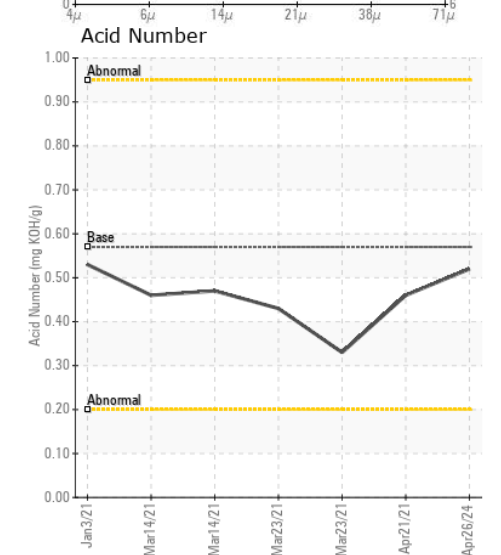
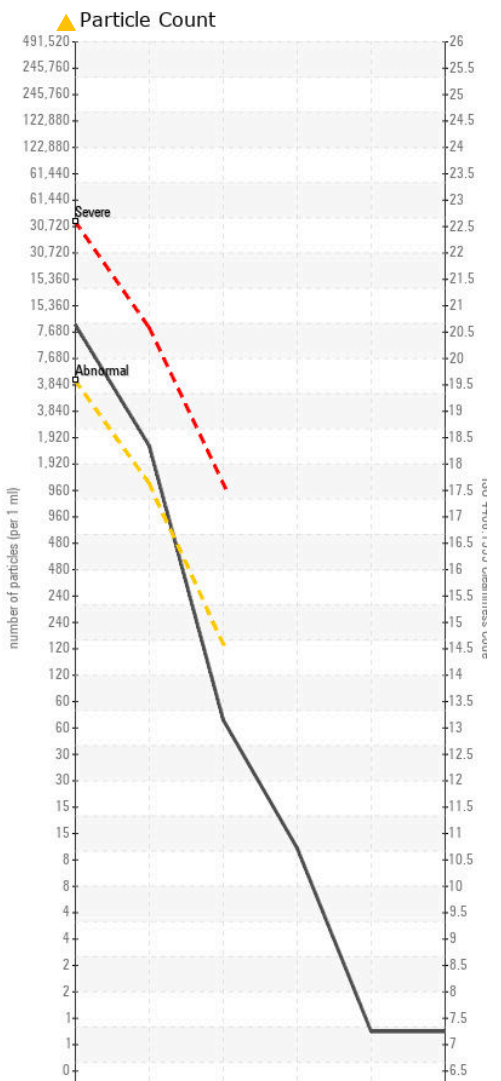
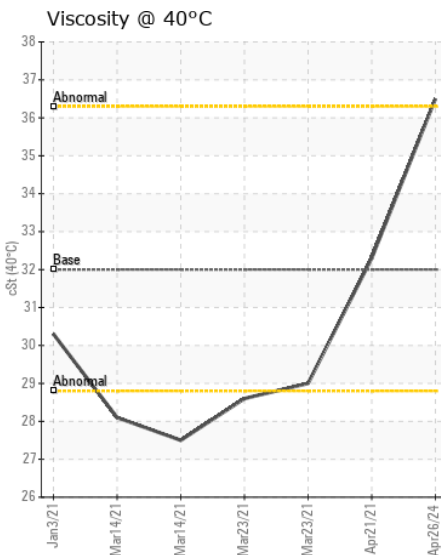
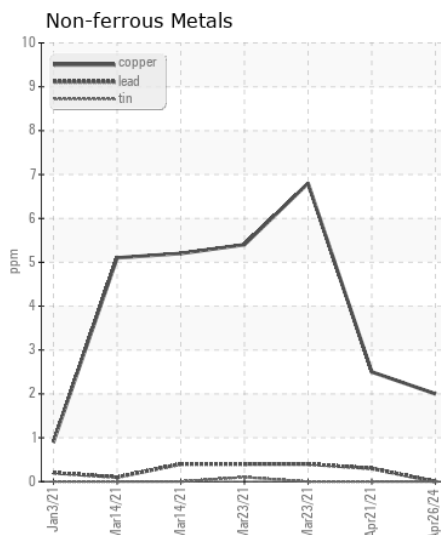
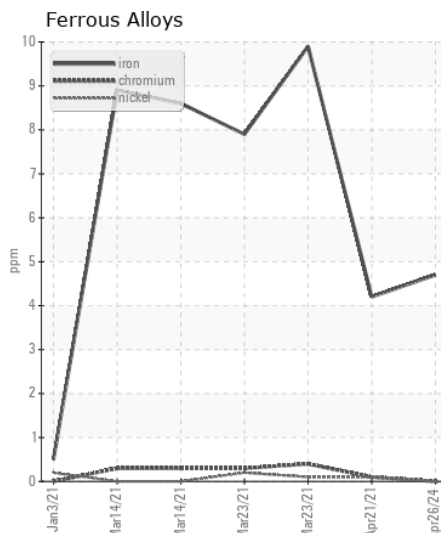
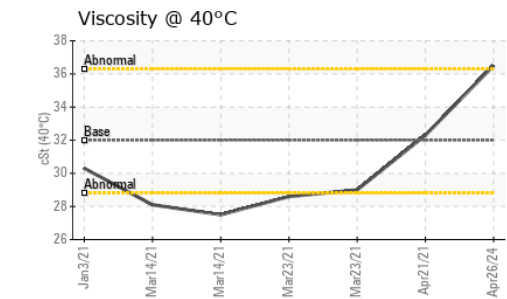
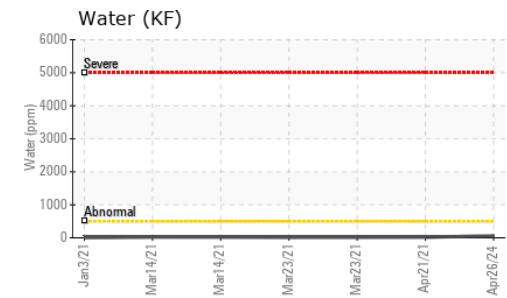
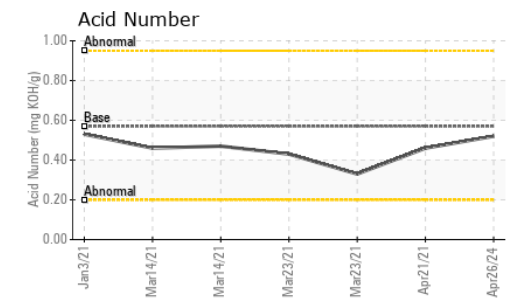
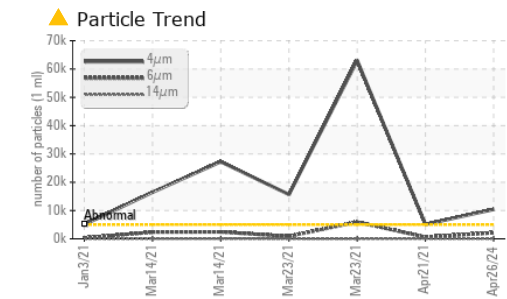
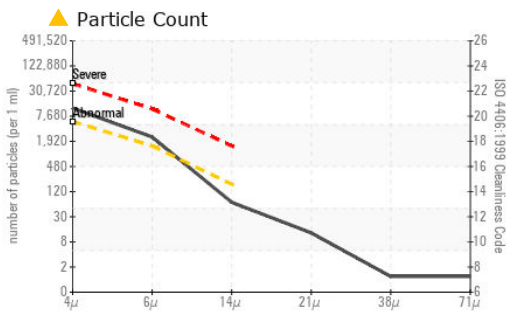
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile. La teneur en eau est négligeable.

Silicon	ppm	ASTM D5185(m)	>15	<b>0</b>	1	1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water	%	ASTM D6304*	>0.05	<b>0.005</b>	0.002	0.001
ppm Water	ppm	ASTM D6304*	>500	<b>60</b>	19.3	13.5
Particles >4µm		ASTM D7647	>5000	<b>▲ 10406</b>	● 5097	▲ 15656
Particles >6µm		ASTM D7647	>1300	<b>● 2132</b>	619	870
Particles >14µm		ASTM D7647	>160	<b>59</b>	49	16
Particles >21µm		ASTM D7647	>40	<b>11</b>	17	6
Particles >38µm		ASTM D7647	>10	<b>1</b>	2	0
Particles >71µm		ASTM D7647	>3	<b>1</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 21/18/13</b>	● 20/16/13	▲ 21/17/11
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**

La viscosité de l'huile est plus élevée que la normale. 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>&lt;1</b>	<1	<1
Boron	ppm	ASTM D5185(m)	5	<b>2</b>	2	<1
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	5	<b>2</b>	<1	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	25	<b>27</b>	6	1
Calcium	ppm	ASTM D5185(m)	200	<b>76</b>	100	40
Phosphorus	ppm	ASTM D5185(m)	300	<b>343</b>	295	282
Zinc	ppm	ASTM D5185(m)	370	<b>422</b>	384	365
Sulfur	ppm	ASTM D5185(m)	2500	<b>865</b>	828	716
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	<b>0.52</b>	0.46	0.33
Visc @ 40°C	cSt	ASTM D7279(m)	32	<b>36.5</b>	32.3	29.0



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : ST45616 **Received** : 08 May 2024  
**Lab Number** : 02634130 **Tested** : 09 May 2024  
**Unique Number** : 5775283 **Diagnosed** : 09 May 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.

**HYDROMECH 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