



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
T.M.B.
Machine Id
5502-UHO-015 (S/N 7)
Component
Hydraulic System
Fluid
AMERICAN CHEMICAL TECH. ECOSAFE FR-46 (500 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0888417	WC0912938	WC0826365
Sample Date		Client Info		16 Jun 2024	07 Apr 2024	20 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE

WEAR

Une usure de la plaque de butée ou d'un coussinet de la pompe est indiquée.

Iron	ppm	ASTM D5185(m)	>20	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>20	<1	0	0
Nickel	ppm	ASTM D5185(m)	>20	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	0	0	0
Lead	ppm	ASTM D5185(m)	>20	0	0	<1
Copper	ppm	ASTM D5185(m)	>20	1	1	1
Tin	ppm	ASTM D5185(m)	>20	▲ 42	▲ 47	▲ 66
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

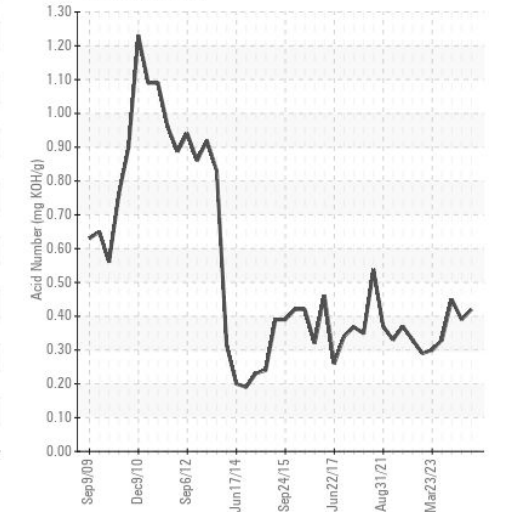
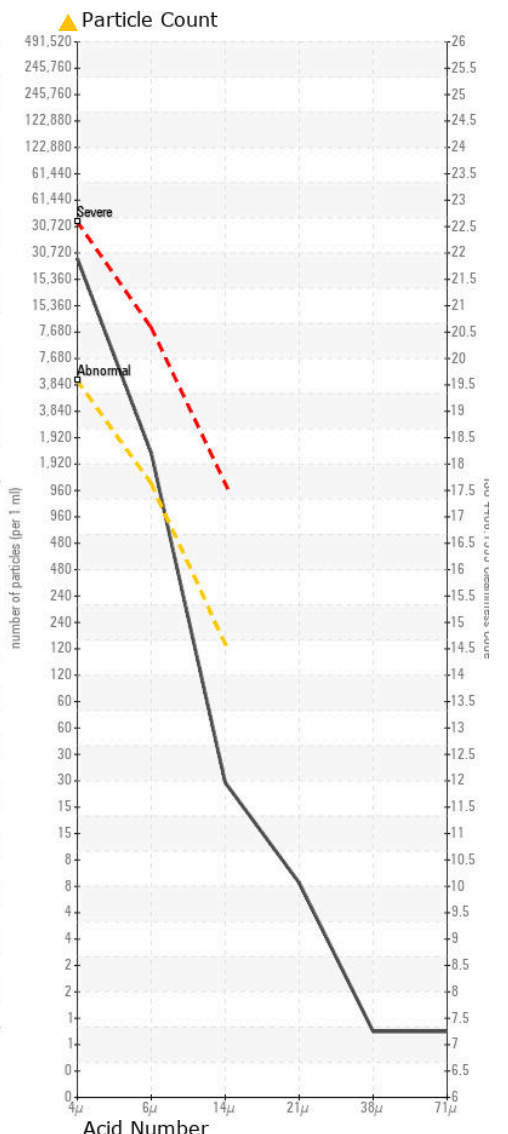
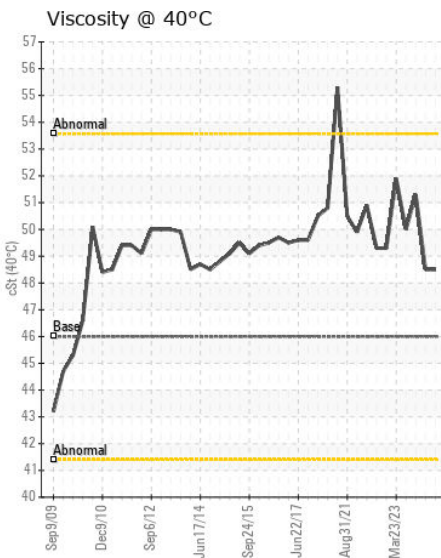
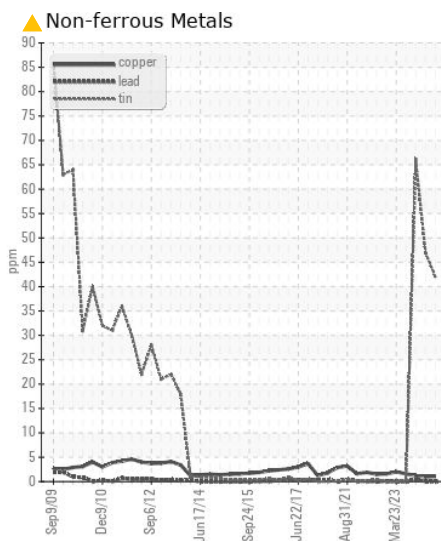
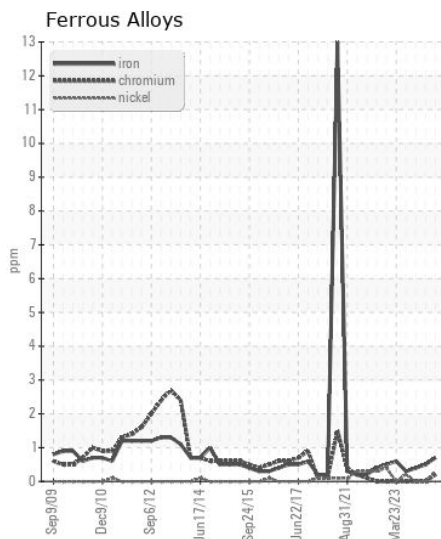
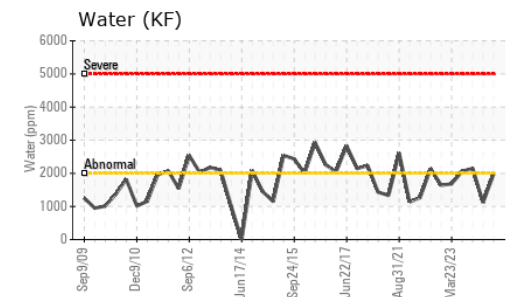
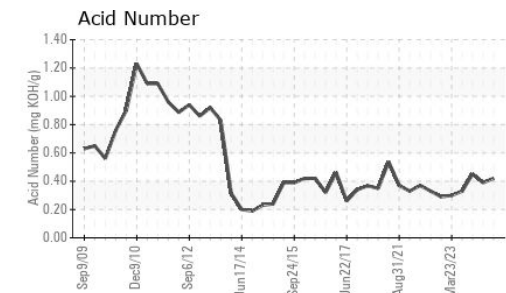
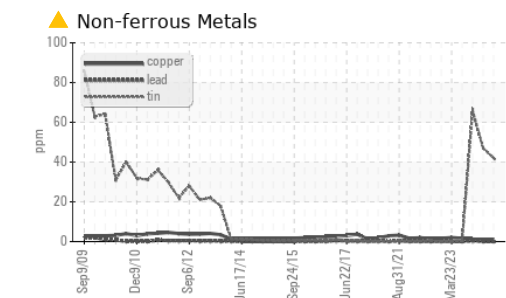
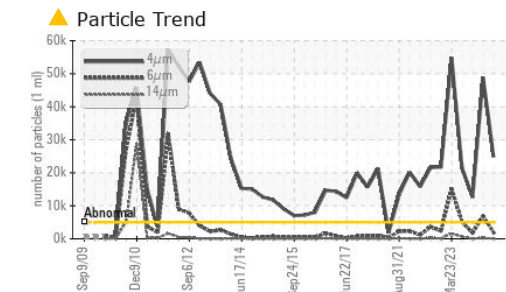
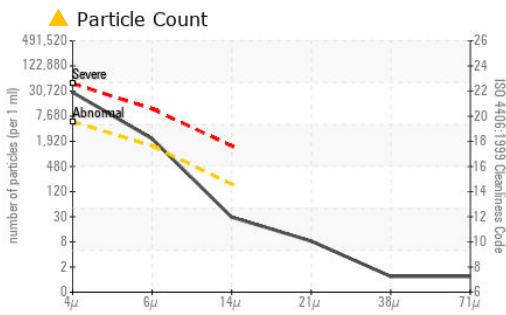
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile. La teneur en eau est négligeable. La propreté du système est supérieure à la limite acceptable pour votre objectif de propreté ISO 4406.

Silicon	ppm	ASTM D5185(m)	>15	<1	0	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water	%	ASTM D6304*	>0.2	0.197	0.111	0.214
ppm Water	ppm	ASTM D6304*	>2000	1977	1119	2149.1
Particles >4µm		ASTM D7647	>5000	▲ 24770	▲ 48796	▲ 12600
Particles >6µm		ASTM D7647	>1300	● 1940	▲ 6895	● 1736
Particles >14µm		ASTM D7647	>160	26	● 251	76
Particles >21µm		ASTM D7647	>40	7	56	17
Particles >38µm		ASTM D7647	>10	1	2	1
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/18/12	▲ 23/20/15	▲ 21/18/13
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
Emulsified Water	scalar	Visual*	>0.2	NEG	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)		1	<1	2
Boron	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		0	<1	0
Calcium	ppm	ASTM D5185(m)		<1	0	<1
Phosphorus	ppm	ASTM D5185(m)		569	540	512
Zinc	ppm	ASTM D5185(m)		2	2	3
Sulfur	ppm	ASTM D5185(m)		2689	2633	2424
Acid Number (AN)	mg KOH/g	ASTM D974*		0.42	0.39	0.45
Visc @ 40°C	cSt	ASTM D7279(m)	46	48.5	48.5	51.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0888417
Lab Number : 02642345
Unique Number : 5799884
Test Package : IND 2 (Additional Tests: KF, TAN Man)

RTA - ALMA
 3000 RUE DES PINS OUEST, BATISSE 7103 MEZZALINE
 ALMA, QC
 CA G8B 6T3
 Contact: Guy Dufour
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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.

T:
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