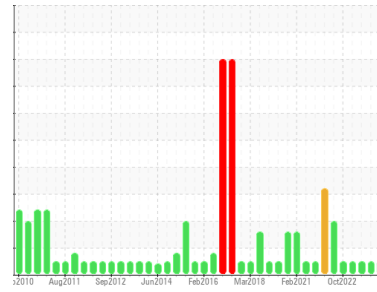




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**Manutention**

Machine Id  
**56-3507-01**

Component  
**Hydraulic System**

Fluid  
**QUAKER CHEMICAL QUINTOLUBRIC 888-46 (--- LTR)**

## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. À NOTER: S.V.P. inclure, avec le prochain échantillon, des détails de la capacité du réservoir et le type et le degré de filtration.

### Wear

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

### Contamination

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable.

### Fluid Condition

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0915606</b>	WC0850763	WC0807578
Sample Date	Client Info	<b>09 Apr 2024</b>	19 Sep 2023	19 Jun 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >20	<b>5</b>	4	5
Chromium	ppm	ASTM D5185(m) >20	<b>5</b>	4	3
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	0
Aluminum	ppm	ASTM D5185(m) >20	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185(m) >20	<b>1</b>	2	2
Copper	ppm	ASTM D5185(m) >20	<b>2</b>	1	1
Tin	ppm	ASTM D5185(m) >20	<b>190</b>	179	178
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	1

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	<1
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	<b>3</b>	4	2
Phosphorus	ppm	ASTM D5185(m)	<b>98</b>	93	105
Zinc	ppm	ASTM D5185(m)	<b>26</b>	21	23
Sulfur	ppm	ASTM D5185(m)	<b>499</b>	472	501
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

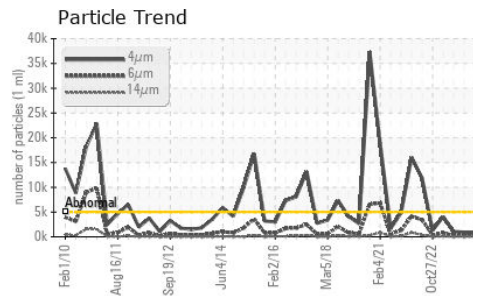
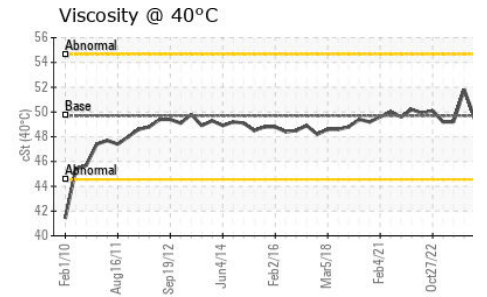
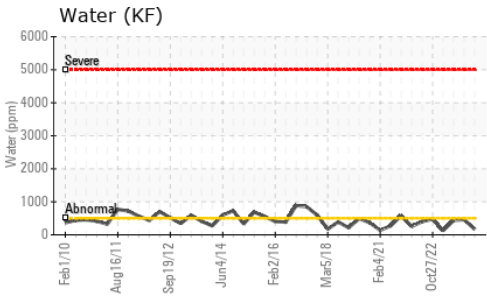
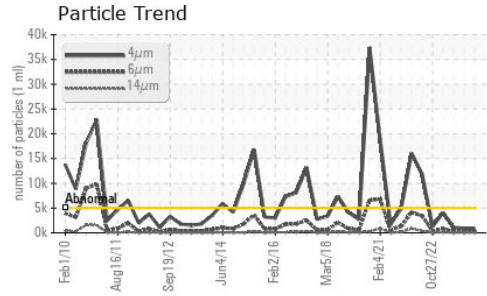
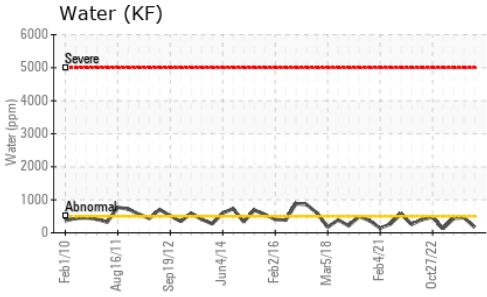
## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >15	<b>2</b>	4	4
Sodium	ppm	ASTM D5185(m)	<b>2</b>	3	3
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	<1
Water	%	ASTM D6304* >0.05	<b>0.017</b>	0.046	0.043
ppm Water	ppm	ASTM D6304* >500	<b>171</b>	461.2	437.2

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	<b>784</b>	924	1062
Particles >6µm	ASTM D7647 >1300	<b>248</b>	257	270
Particles >14µm	ASTM D7647 >160	<b>30</b>	28	26
Particles >21µm	ASTM D7647 >40	<b>8</b>	8	8
Particles >38µm	ASTM D7647 >10	<b>1</b>	0	0
Particles >71µm	ASTM D7647 >3	<b>1</b>	0	0
Oil Cleanliness	ISO 4406 (c) >19/17/14	<b>17/15/12</b>	17/15/12	17/15/12

# OIL ANALYSIS REPORT

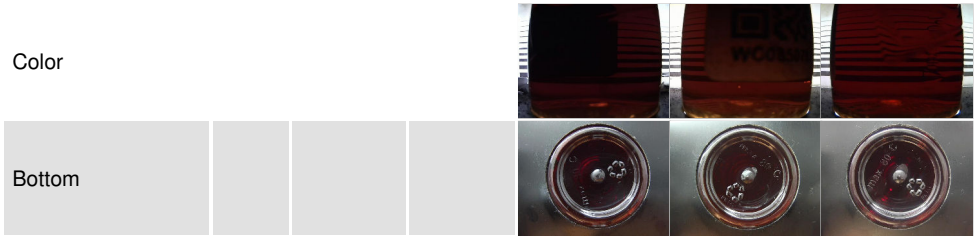


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	2.0	<b>3.86</b>	3.34	3.19

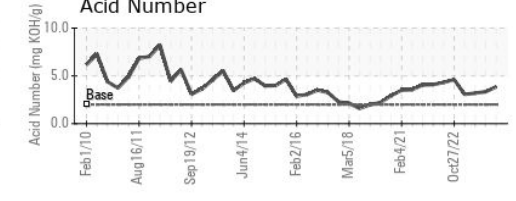
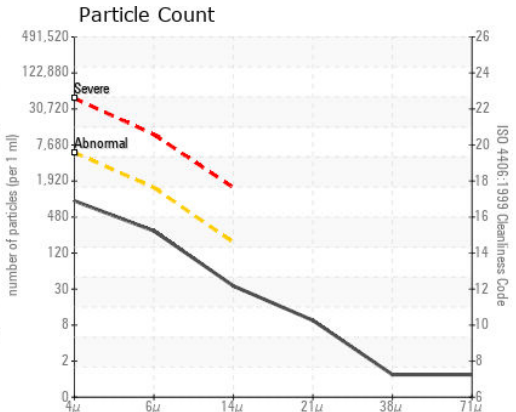
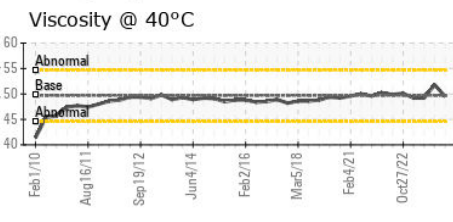
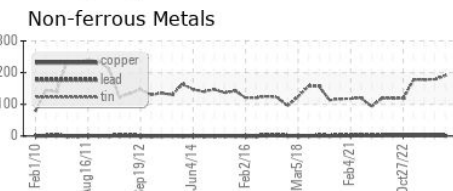
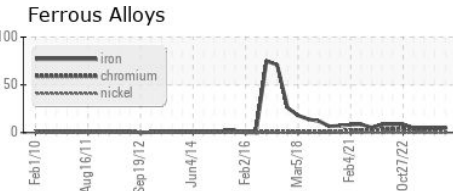
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	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
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	49.7	<b>49.5</b>	51.8	49.2

### SAMPLE IMAGES



### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0915606 **Received** : 12 Apr 2024  
**Lab Number** : **02628466** **Tested** : 15 Apr 2024  
**Unique Number** : 5761598 **Diagnosed** : 15 Apr 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )

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.

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