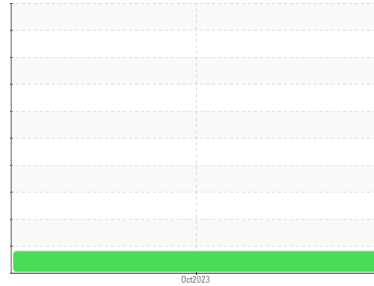




PROBLEM SUMMARY

Sample Rating Trend



ISO



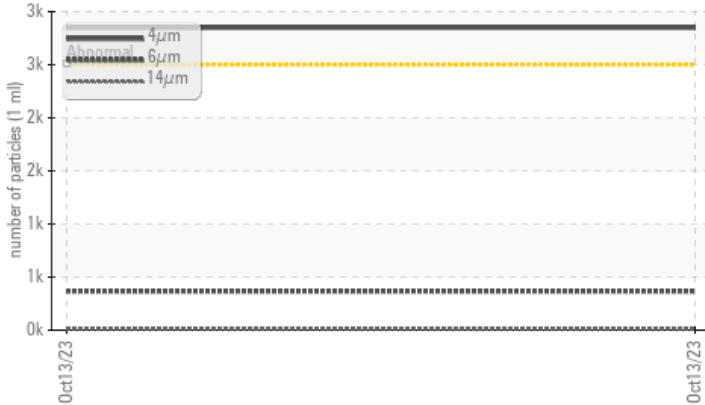
Machine Id
HITACHI L131 (S/N RYUNEE60L00010589)

Component
Hydraulic System

Fluid
PANOLIN HLP SYNTH 46 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

Nous recommandons le remplacement des filtres de ce composant. 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.

PROBLEMATIC TEST RESULTS

Sample Status	ATTENTION	---	---
Particles >4µm	ASTM D7647 >2500 ▲ 2849	---	---
Oil Cleanliness	ISO 4406 (c) >18/16/13 ▲ 19/16/11	---	---

Customer Id: CLESAL
 Sample No.: WC0861326
 Lab Number: 02590079
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Wes Davis +1 905-569-8600 x223
wesd@wearcheck.ca

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.
Information Required	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
HITACHI L131 (S/N RYUNEE60L00010589)

Component
Hydraulic System

Fluid
PANOLIN HLP SYNTH 46 (--- GAL)

DIAGNOSIS

Recommendation

Nous recommandons le remplacement des filtres de ce composant. 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

Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile.

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	WC0861326	---	---
Sample Date	Client Info	13 Oct 2023	---	---
Machine Age	hrs Client Info	3337	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>20	6	---	---
Chromium ppm ASTM D5185(m)	>20	0	---	---
Nickel ppm ASTM D5185(m)	>20	0	---	---
Titanium ppm ASTM D5185(m)		0	---	---
Silver ppm ASTM D5185(m)		<1	---	---
Aluminum ppm ASTM D5185(m)	>20	<1	---	---
Lead ppm ASTM D5185(m)	>20	2	---	---
Copper ppm ASTM D5185(m)	>20	<1	---	---
Tin ppm ASTM D5185(m)	>20	0	---	---
Antimony ppm ASTM D5185(m)		0	---	---
Vanadium ppm ASTM D5185(m)		0	---	---
Beryllium ppm ASTM D5185(m)		0	---	---
Cadmium ppm ASTM D5185(m)		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185(m)	0	<1	---	---
Barium ppm ASTM D5185(m)	0	<1	---	---
Molybdenum ppm ASTM D5185(m)	0	2	---	---
Manganese ppm ASTM D5185(m)	0	0	---	---
Magnesium ppm ASTM D5185(m)	0	<1	---	---
Calcium ppm ASTM D5185(m)	0	3	---	---
Phosphorus ppm ASTM D5185(m)	1700	1424	---	---
Zinc ppm ASTM D5185(m)	0	51	---	---
Sulfur ppm ASTM D5185(m)	1350	1454	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>15	2	---	---
Sodium ppm ASTM D5185(m)		<1	---	---
Potassium ppm ASTM D5185(m)	>20	0	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>2500	▲ 2849	---	---
Particles >6µm ASTM D7647	>640	367	---	---
Particles >14µm ASTM D7647	>80	11	---	---
Particles >21µm ASTM D7647	>20	2	---	---
Particles >38µm ASTM D7647	>4	0	---	---
Particles >71µm ASTM D7647	>3	0	---	---
Oil Cleanliness ISO 4406 (c)	>18/16/13	▲ 19/16/11	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D974*		0.40	---	---

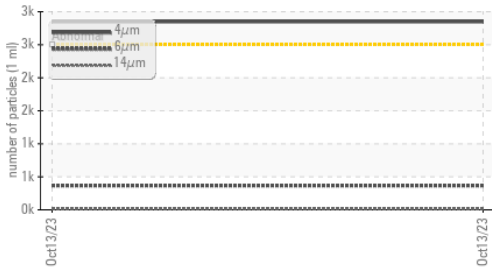


OIL ANALYSIS REPORT

▲ Particle Trend



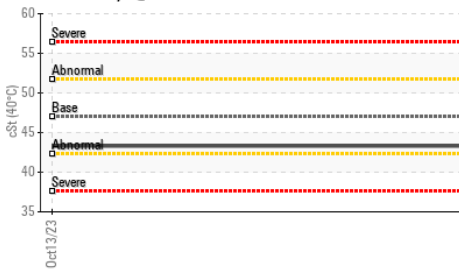
▲ Particle Trend



Acid Number



Viscosity @ 40°C



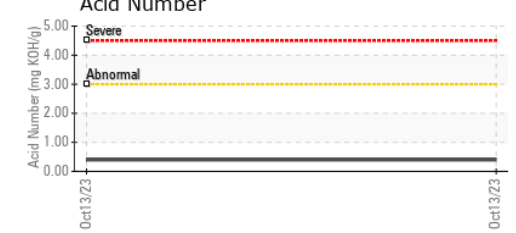
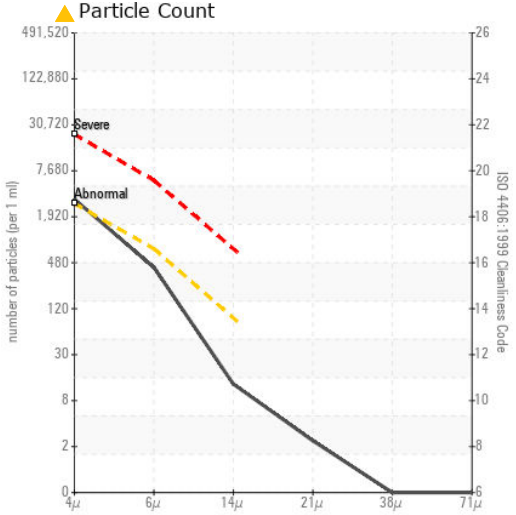
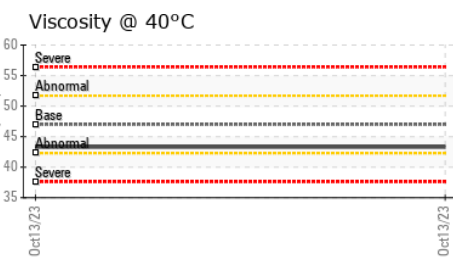
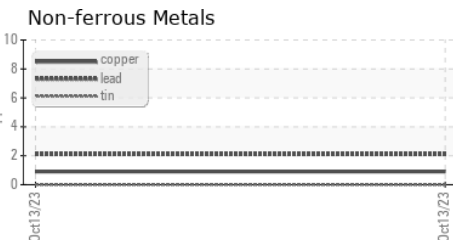
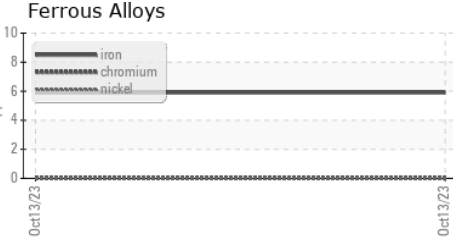
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.05	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	47.0	43.3	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0861326 **Received** : 18 Oct 2023
Lab Number : 02590079 **Diagnosed** : 19 Oct 2023
Unique Number : 5659145 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: TAN Man)

CLEMENT HYDRAULITECH
 5328 BOUL. HEBERT
 SALABERRY-DE-VALLEYFIELD, QC
 CA J6S 6H3
 Contact: Frédéric D'Amour
 info@hydraulitech.com
 T: (450)373-1613
 F: (450)373-1615

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.