

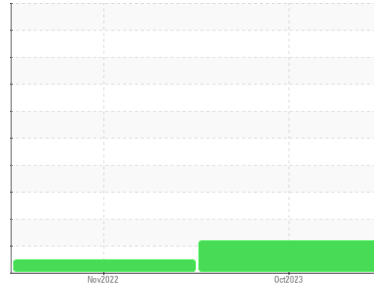


PROBLEM SUMMARY

Sample Rating Trend

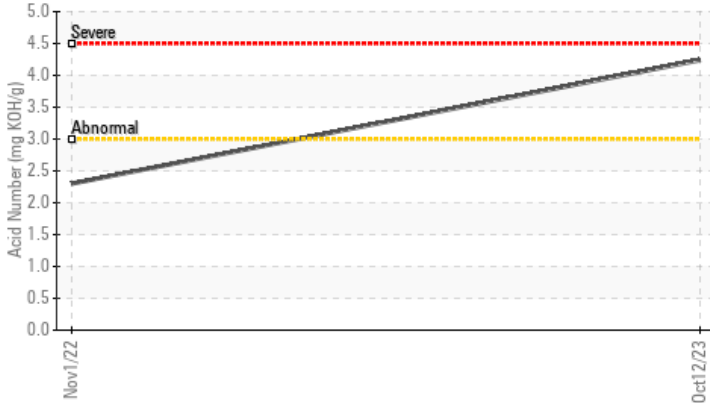
DEGRADATION

Area
LOISELLE VALLEYFIELD
 Machine Id
JOHN DEERE P97 (S/N 1FF245GXJHE601127)
 Component
Hydraulic System
 Fluid
PANOLIN HLP SYNTH 46 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Acid Number



RECOMMENDATION

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. 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		ABNORMAL	NORMAL	---
Acid Number (AN)	mg KOH/g ASTM D974*	▲ 4.24	2.30	---

Customer Id: CLESAL
 Sample No.: WC0843718
 Lab Number: 02589639
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

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 Fluid	---	---	?	Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait.
Information Required	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

HISTORICAL DIAGNOSIS

01 Nov 2022 Diag: Wes Davis

NORMAL



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. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

view report



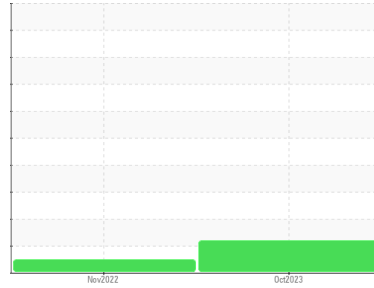


OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION

Area
LOISELLE VALLEYFIELD
 Machine Id
JOHN DEERE P97 (S/N 1FF245GXJHE601127)
 Component
Hydraulic System
 Fluid
PANOLIN HLP SYNTH 46 (--- GAL)



DIAGNOSIS

Recommendation

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. 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 niveau de AN est supérieur à la limite recommandée. l'huile ne peut plus être utilisée.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0843718	WC0754065	---
Sample Date	Client Info		12 Oct 2023	01 Nov 2022	---
Machine Age	hrs	Client Info	7474	6401	---
Oil Age	hrs	Client Info	0	4800	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >32	10	6	---
Chromium	ppm	ASTM D5185(m) >9	<1	<1	---
Nickel	ppm	ASTM D5185(m) >5	<1	0	---
Titanium	ppm	ASTM D5185(m)	0	<1	---
Silver	ppm	ASTM D5185(m)	<1	0	---
Aluminum	ppm	ASTM D5185(m) >9	<1	<1	---
Lead	ppm	ASTM D5185(m) >28	2	<1	---
Copper	ppm	ASTM D5185(m) >50	<1	<1	---
Tin	ppm	ASTM D5185(m) >5	<1	<1	---
Antimony	ppm	ASTM D5185(m)	0	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	<1	2	---
Barium	ppm	ASTM D5185(m) 0	<1	0	---
Molybdenum	ppm	ASTM D5185(m) 0	0	0	---
Manganese	ppm	ASTM D5185(m) 0	0	<1	---
Magnesium	ppm	ASTM D5185(m) 0	1	<1	---
Calcium	ppm	ASTM D5185(m) 0	14	11	---
Phosphorus	ppm	ASTM D5185(m) 1700	1238	1342	---
Zinc	ppm	ASTM D5185(m) 0	71	33	---
Sulfur	ppm	ASTM D5185(m) 1350	1218	1261	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >11	2	2	---
Sodium	ppm	ASTM D5185(m) >21	3	3	---
Potassium	ppm	ASTM D5185(m) >20	1	1	---

FLUID CLEANLINESS

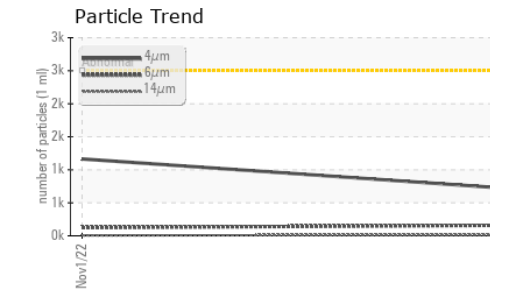
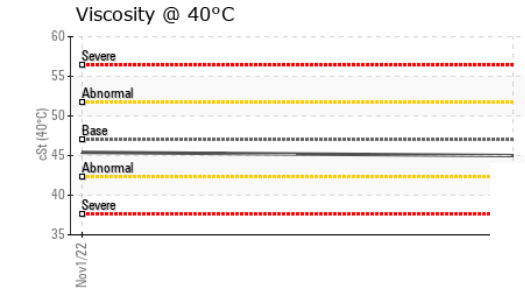
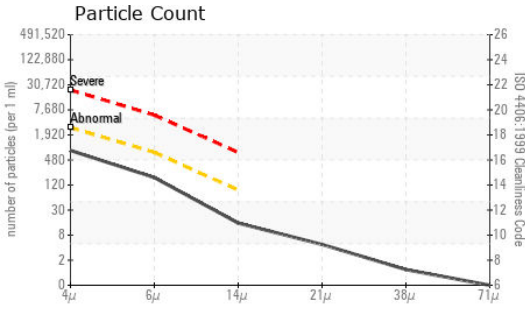
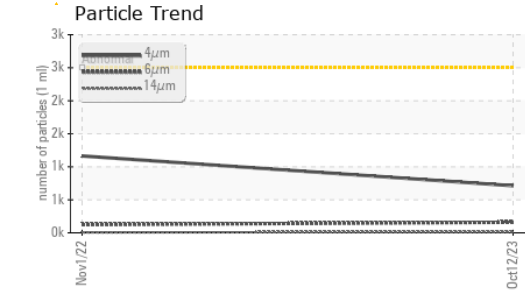
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	713	1164	---
Particles >6µm	ASTM D7647	>640	160	124	---
Particles >14µm	ASTM D7647	>80	13	6	---
Particles >21µm	ASTM D7647	>20	4	2	---
Particles >38µm	ASTM D7647	>4	1	0	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	17/14/11	17/14/10	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	▲ 4.24	2.30	---



OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0843718 **Received** : 17 Oct 2023
Lab Number : 02589639 **Diagnosed** : 18 Oct 2023
Unique Number : 5658705 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: TAN Man)

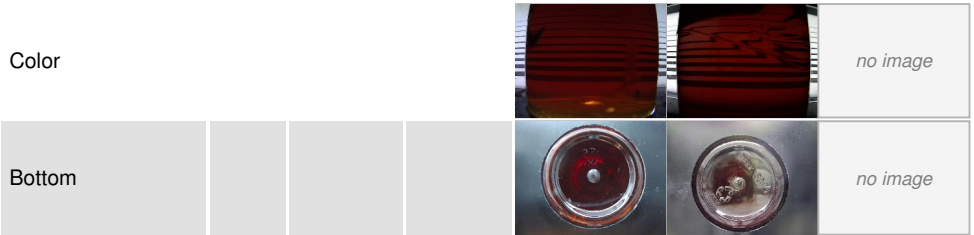
CLEMENT HYDRAULITECH
 5328 BOUL. HEBERT
 SALABERRY-DE-VALLEYFIELD, QC
 CA J6S 6H3
 Contact: Maxim Clement
 mclement@hydraulitech.com

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.

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	45.4	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS

