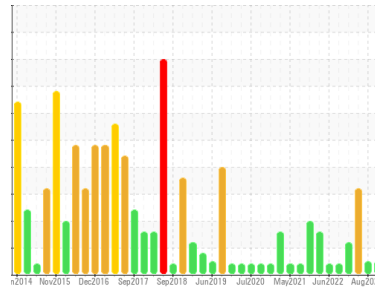




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
T.M.B.
 Machine Id
5502-CWC-700 (S/N 21)

Component
7 Gearbox
 Fluid
CHEVRON CYLINDER OIL W ISO 680 (20 LTR)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

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

Contamination

La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

La viscosité de l'huile est plus élevée que la normale. 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		WC0884537	WC0840714	WC0803804
Sample Date	Client Info		06 Dec 2023	23 Aug 2023	24 May 2023
Machine Age	days	Client Info	0	0	0
Oil Age	days	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m) >200	26	8	25
Chromium	ppm	ASTM D5185(m) >15	0	0	<1
Nickel	ppm	ASTM D5185(m) >15	1	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	<1	0	0
Aluminum	ppm	ASTM D5185(m) >25	1	<1	<1
Lead	ppm	ASTM D5185(m) >100	<1	0	<1
Copper	ppm	ASTM D5185(m) >200	12	4	12
Tin	ppm	ASTM D5185(m) >25	2	<1	6
Antimony	ppm	ASTM D5185(m) >5	<1	0	1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	<1	2
Barium	ppm	ASTM D5185(m)	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	<1
Manganese	ppm	ASTM D5185(m)	0	0	0
Magnesium	ppm	ASTM D5185(m)	0	<1	0
Calcium	ppm	ASTM D5185(m)	<1	<1	0
Phosphorus	ppm	ASTM D5185(m)	4	4	11
Zinc	ppm	ASTM D5185(m)	5	3	1
Sulfur	ppm	ASTM D5185(m)	4380	4295	5790
Lithium	ppm	ASTM D5185(m)	3	2	1

CONTAMINANTS

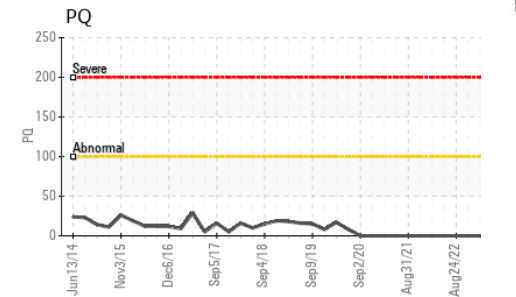
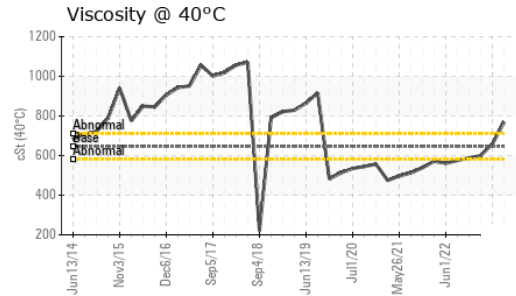
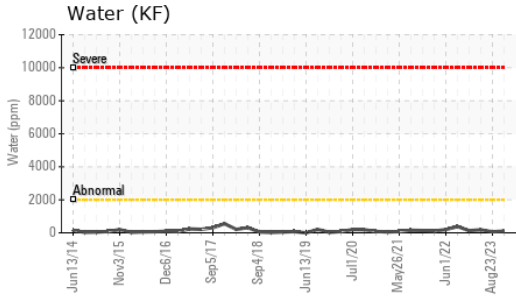
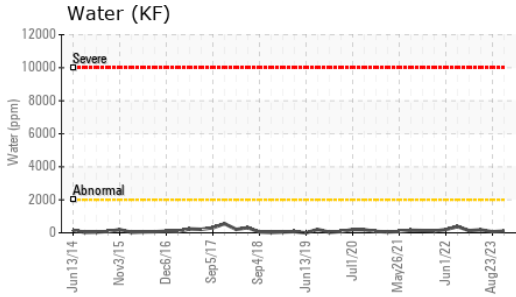
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	3	3	2
Sodium	ppm	ASTM D5185(m)	1	<1	0
Potassium	ppm	ASTM D5185(m) >20	0	<1	0
Water	%	ASTM D6304* >0.2	0.010	0.006	0.018
ppm Water	ppm	ASTM D6304* >2000	104	64.9	180.3

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	4.10	2.45	9.47



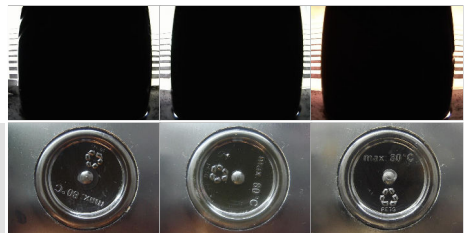
OIL ANALYSIS REPORT



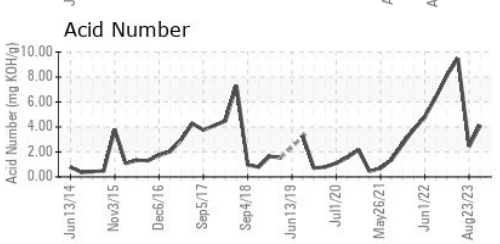
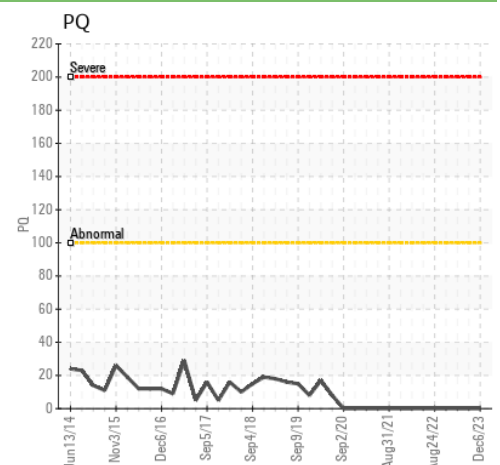
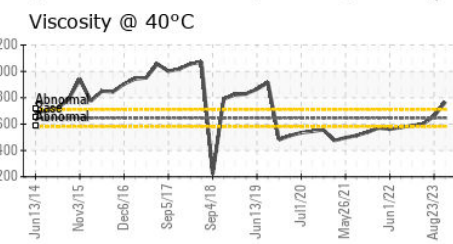
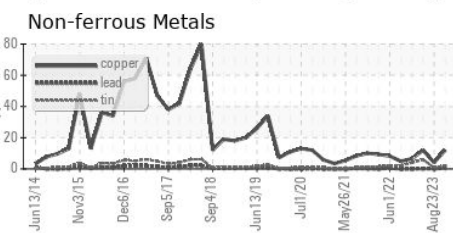
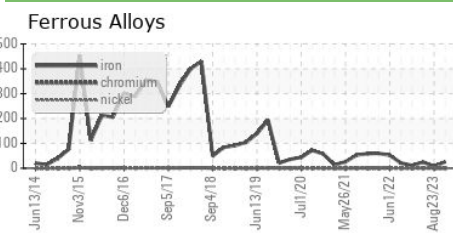
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m) 646	768	659	600

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0884537 **Received** : 18 Dec 2023
Lab Number : **02603933** **Diagnosed** : 21 Dec 2023
Unique Number : 5697018 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KF, TAN Man)

RTA - ALMA
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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.