



Machine Id
CATERPILLAR 208
Component
Diesel Engine
Fluid
PETRO CANADA DURON UHP 5W40 (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0055642	PC0039621	PC0049807
Sample Date		Client Info		15 Jan 2024	04 Mar 2023	21 Feb 2023
Machine Age	hrs	Client Info		3919	2924	2569
Oil Age	hrs	Client Info		340	359	100
Filter Age	hrs	Client Info		340	359	100
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	20	8	13
Chromium	ppm	ASTM D5185(m)	>6	<1	0	0
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	2	1	2
Lead	ppm	ASTM D5185(m)	>10	1	0	4
Copper	ppm	ASTM D5185(m)	>150	25	6	147
Tin	ppm	ASTM D5185(m)	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

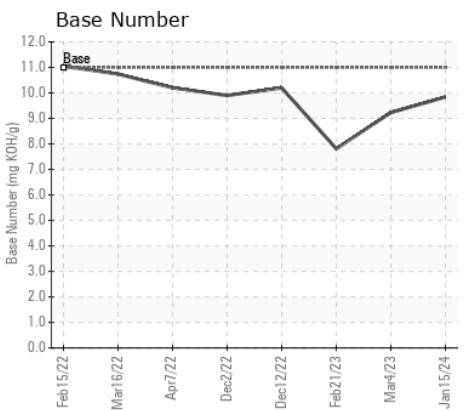
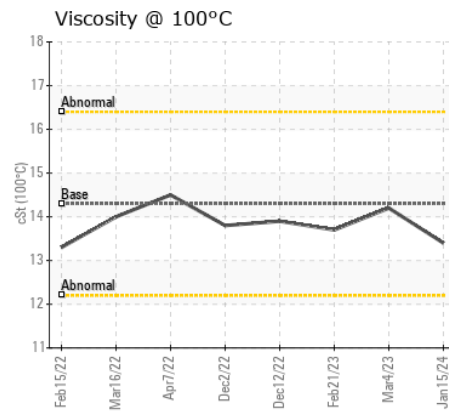
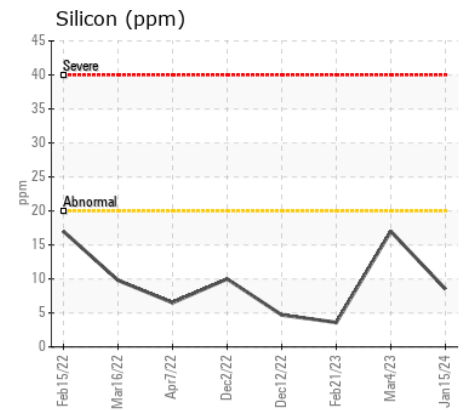
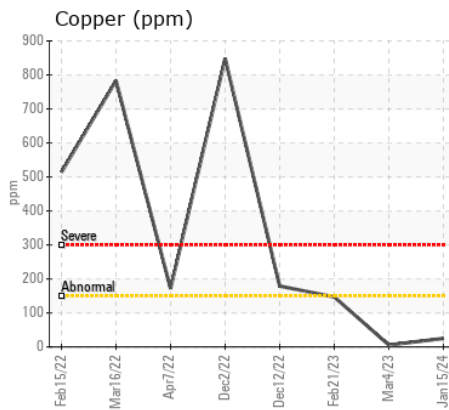
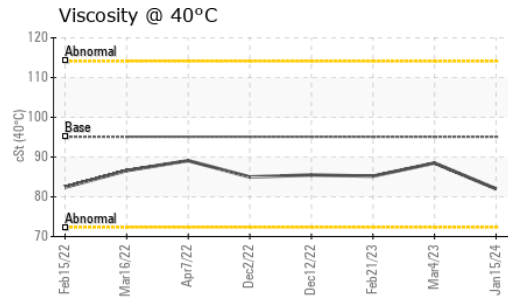
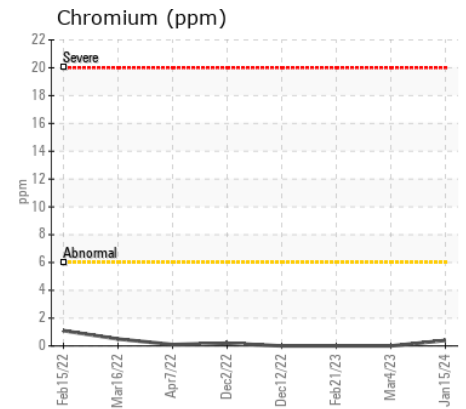
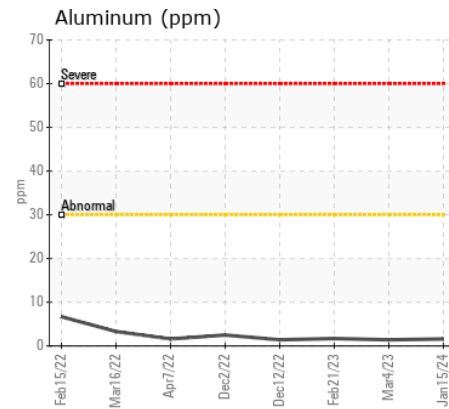
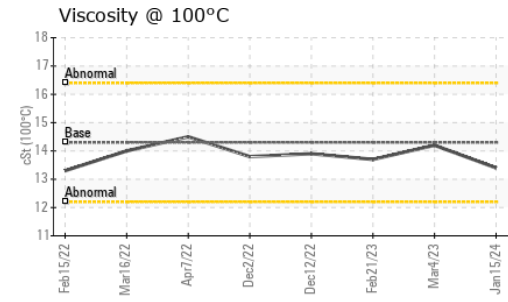
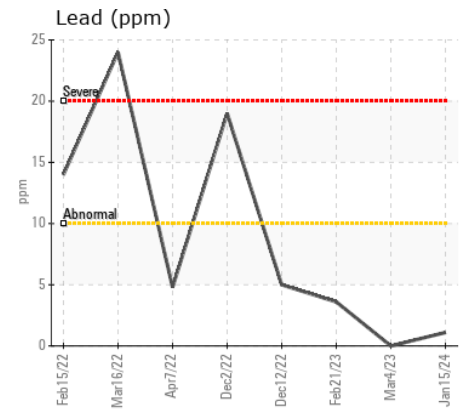
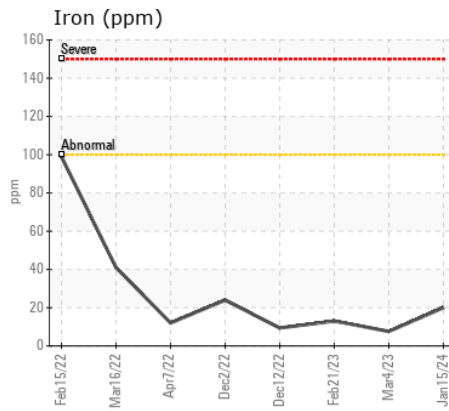
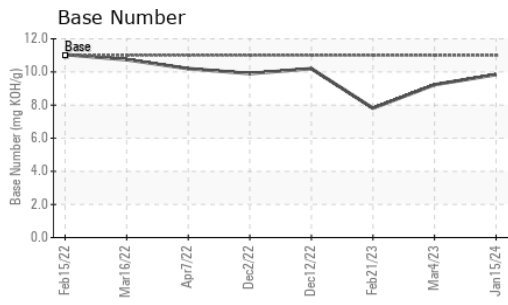
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	8	17	4
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	8.6	7.4	7.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.0	22.7	21.9
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		4	4	4
Boron	ppm	ASTM D5185(m)	65	33	55	40
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	65	55	58	56
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1160	1046	1038	1056
Calcium	ppm	ASTM D5185(m)	820	840	953	862
Phosphorus	ppm	ASTM D5185(m)	1160	964	1055	1059
Zinc	ppm	ASTM D5185(m)	1260	1138	1149	1158
Sulfur	ppm	ASTM D5185(m)	3000	2728	2841	2689
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.0	17.8	17.5
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	9.84	9.23	7.81
Visc @ 40°C	cSt	ASTM D7279(m)	95.1	82.0	88.5	85.2
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	13.4	14.2	13.7
Viscosity Index (VI)	Scale	ASTM D2270*	169	166	166	164



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0055642 **Received** : 17 Jan 2024
Lab Number : 02609213 **Diagnosed** : 18 Jan 2024
Unique Number : 5710299 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: KV40, VI)

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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.