



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

Propulsion/Salle des Machines

Identité de la machine

12A02#04 (S/N M4113-R)

Composant

Moteur diesel 4

Fluid

PETRO CANADA RALUBE 40 CFS (720 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0878498	WC0751422	WC0751397
Date d'échant.		Client Info		15 Mar 2024	23 Oct 2023	01 Apr 2023
Âge d la Machine	hrs	Client Info		6614	6035	4292
Âge de l'huile	hrs	Client Info		0	1655	2686
Âge du filtre	hrs	Client Info		0	1655	2686
Huile changée		Client Info		Not Changd	Not Changd	Not Changd
Filtre changé		Client Info		Not Changd	N/A	Not Changd
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	9	6	6
Chrome	ppm	ASTM D5185(m)	>20	1	0	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	2	2	2
Plomb	ppm	ASTM D5185(m)	>40	0	0	0
Cuivre	ppm	ASTM D5185(m)	>330	<1	<1	<1
Étain	ppm	ASTM D5185(m)	>15	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	NONE	NONE	NONE
Bronze	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

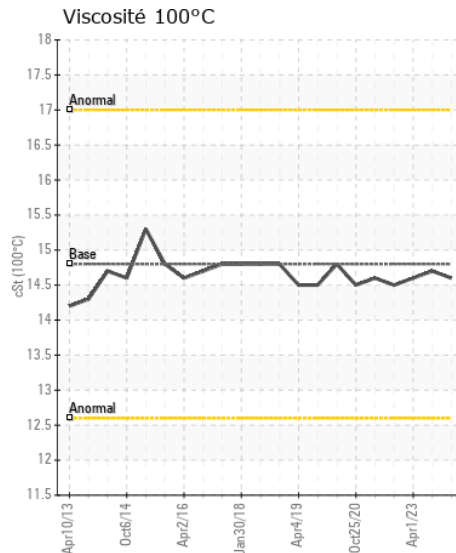
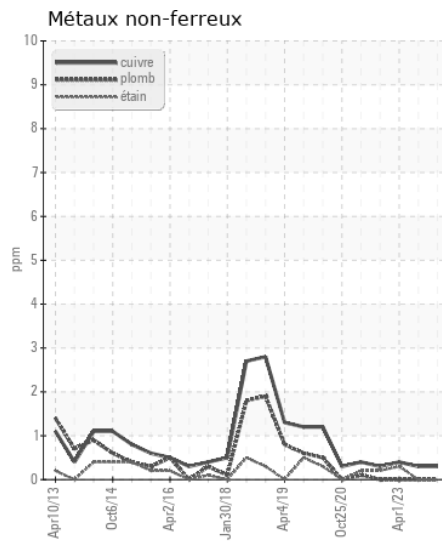
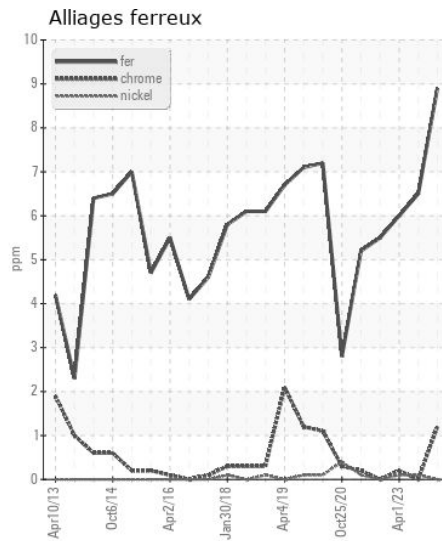
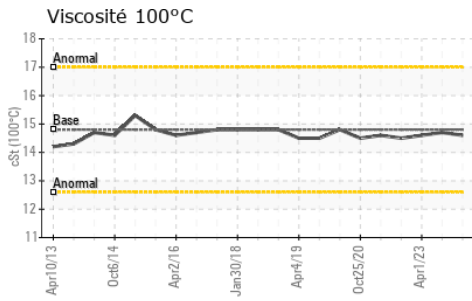
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	3	4	3
Potassium	ppm	ASTM D5185(m)	>20	1	<1	2
Essence		WC Method	>5	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>2	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.8	13.0	13.2
Sulfatation	Abs/.1mm	ASTM D7415*	>30	14.9	14.8	14.7
Limon	scalar	Visual*	NONE	VLITE	NONE	NONE
Débris	scalar	Visual*	NONE	NONE	NONE	NONE
Saleté	scalar	Visual*	NONE	NONE	NONE	NONE
Apparence	scalar	Visual*	NORML	NORML	NORML	NORML
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		3	3	2
Bore	ppm	ASTM D5185(m)	0	0	<1	<1
Baryum	ppm	ASTM D5185(m)	0	0	<1	0
Molybdène	ppm	ASTM D5185(m)	0	0	0	0
Manganèse	ppm	ASTM D5185(m)	0	0	0	<1
Magnésium	ppm	ASTM D5185(m)	25	16	15	23
Calcium	ppm	ASTM D5185(m)	4300	4780	4787	4825
Phosphore	ppm	ASTM D5185(m)	1.6	4	4	5
Zinc	ppm	ASTM D5185(m)	2	6	4	6
Soufre	ppm	ASTM D5185(m)	1500	3021	3069	3164
Oxydation	Abs/.1mm	ASTM D7414*	>25	11.8	11.0	11.6
Visc 100°C	cSt	ASTM D7279(m)	14.8	14.6	14.7	14.6



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0878498
N° de laboratoire : 02624164
Numéro unique : 5749283
Analyse : MAR 1

Reçu : 25 Mar 2024
Tested : 25 Mar 2024
Diagnostiqué : 25 Mar 2024 - Wes Davis

Canadian Coast Guard
 CCGS Amundsen, 101 Boul. Champlain
 Quebec, QC
 CA G1K 7Y7

Contact: Chief Engineer
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 T: (418)953-8233

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

F: x: