MAR III

WEAR CHECK

RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINANTS	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine
13B02#03 AUX GEN #3 (S/N 524 101 597)
Composant
Moteur auxiliaire Babord
Fluid
PETRO CANADA DURON-E XL 15W40 (320 LTR)

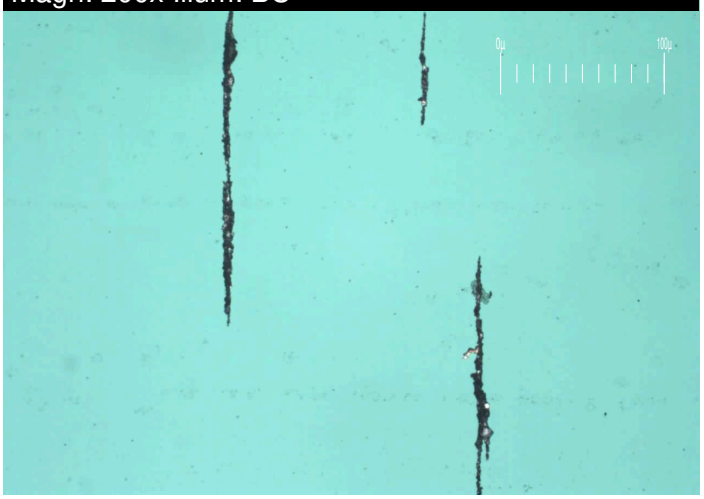
RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

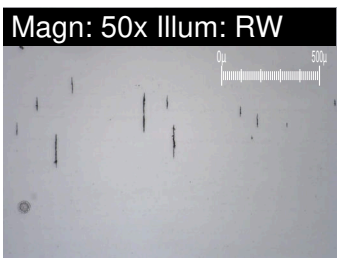
USURE

All component wear rates are normal. The ferrography results are normal indicating no abnormal wear in the system.

Magn: 200x Illum: BC



Magn: 50x Illum: RW



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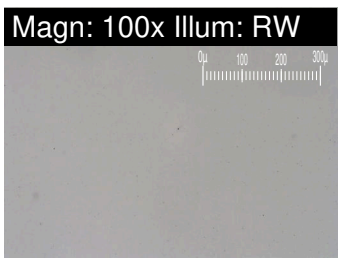


Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0878513	WC0829220	WC
Date d'échant.		Client Info		16 Mar 2024	23 Oct 2023	02 Aug 2023
Âge d la Machine	hrs	Client Info		29799	28151	26246
Âge de l'huile	hrs	Client Info		1199	0	2088
Âge du filtre	hrs	Client Info		1199	26246	2088
Huile changée		Client Info		Not Changd	Not Changd	Changed
Filtre changé		Client Info		Not Changd	N/A	Changed
Statut de l'échant.				NORMAL	NORMAL	MARGINAL
PQ		ASTM D8184*		0	0	0
Fer	ppm	ASTM D5185(m)	>35	5	6	6
Chrome	ppm	ASTM D5185(m)	>4	0	0	<1
Nickel	ppm	ASTM D5185(m)	>2	0	0	0
Titane	ppm	ASTM D5185(m)	>2	0	0	0
Argent	ppm	ASTM D5185(m)	>2	0	0	0
Aluminium	ppm	ASTM D5185(m)	>25	<1	<1	<1
Plomb	ppm	ASTM D5185(m)	>7	0	<1	0
Cuivre	ppm	ASTM D5185(m)	>65	1	2	1
Étain	ppm	ASTM D5185(m)	>4	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Grosses particules		DR-Ferr*		12.5	5.1	5.0
Petites particules		DR-Ferr*		5.4	4.8	4.8
Total de particules		DR-Ferr*	>---	17.9	9.9	9.8
Pourcentage de grosses particules	%	DR-Ferr*		39.7	3	2
Indice de sévérité		DR-Ferr*		89	2	1
Frottement ferreux	Scale 0-10	ASTM D7684*		2	2	2
Glissement ferreux	Scale 0-10	ASTM D7684*				
Copeaux ferreux	Scale 0-10	ASTM D7684*				1
Roulement ferreux	Scale 0-10	ASTM D7684*		1	1	1
Rodage ferreux	Scale 0-10	ASTM D7684*				
Sphères ferreuses	Scale 0-10	ASTM D7684*				
Oxydes ferreux noirs	Scale 0-10	ASTM D7684*		1	1	1
Oxydes rouges ferreux	Scale 0-10	ASTM D7684*				
Corrosion ferreuse	Scale 0-10	ASTM D7684*				
Autres particules ferreuses	Scale 0-10	ASTM D7684*				
Frottement non-ferreux	Scale 0-10	ASTM D7684*				
Glissement non-ferreux	Scale 0-10	ASTM D7684*				
Copeaux non ferreux	Scale 0-10	ASTM D7684*				
Roulement non-ferreux	Scale 0-10	ASTM D7684*				
Autres particules non-ferreuses	Scale 0-10	ASTM D7684*				

CONTAMINANTS

There is no indication of any contamination in the oil.

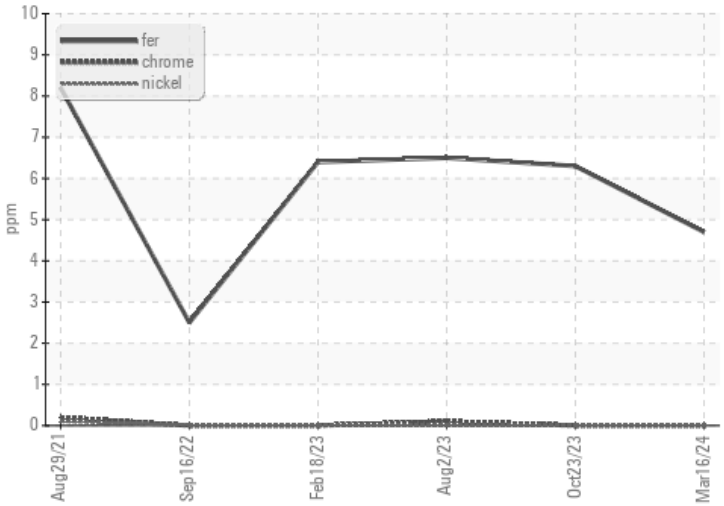
Silicium	ppm	ASTM D5185(m)	>20	**<1**	3	3
Potassium	ppm	ASTM D5185(m)	>20	**<1**	0	<1
Essence		WC Method	>4.0	**<1.0**	<1.0	<1.0
L`eau		WC Method	>0.1	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG
% de suie	%	ASTM D7844*		**0.1**	0.2	0.1
Nitration	Abs/cm	ASTM D7624*	>20	**6.4**	7.5	7.4
Sulfatation	Abs/.1mm	ASTM D7415*	>30	**19.3**	19.7	19.5
Eau émulsifiée	scalar	Visual*	>0.1	**NEG**	NEG	NEG
Matière carbonée	Scale 0-10	ASTM D7684*				
Sable/saleté	Scale 0-10	ASTM D7684*		**1**	1	1
Fibres	Scale 0-10	ASTM D7684*				
Sphères	Scale 0-10	ASTM D7684*				
Autres particules	Scale 0-10	ASTM D7684*		**1**	1	1

ÉTAT DU FLUIDE

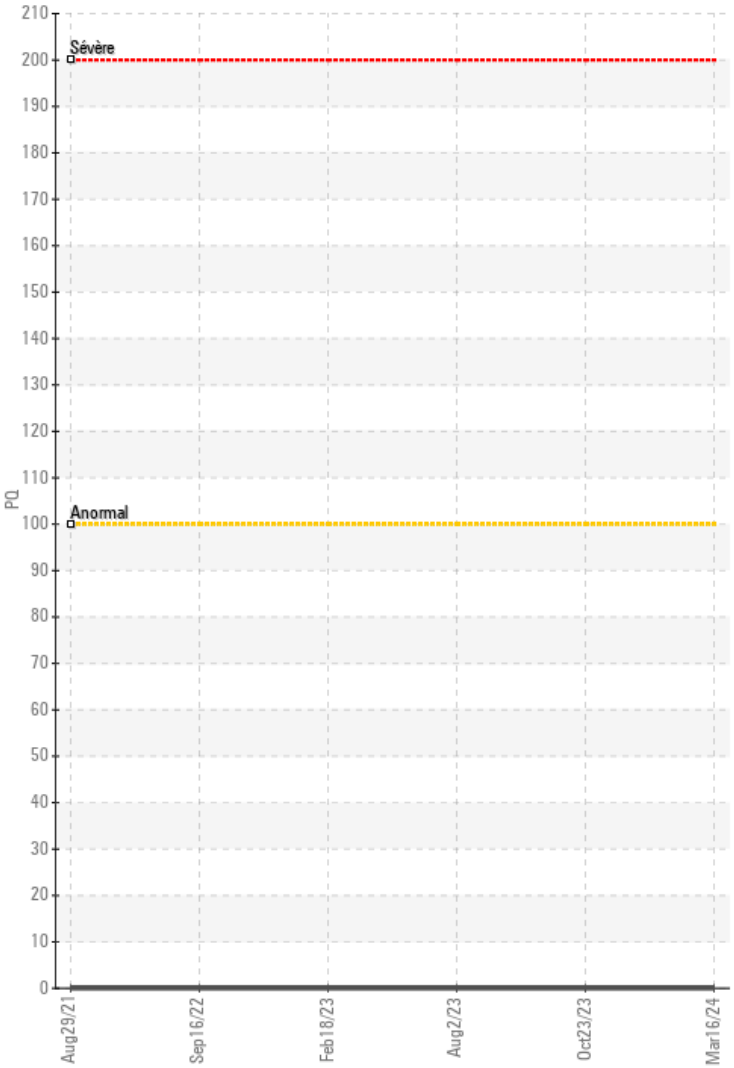
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		**<1**	1	1
Bore	ppm	ASTM D5185(m)	1	**1**	3	3
Baryum	ppm	ASTM D5185(m)	0	**0**	<1	0
Molybdène	ppm	ASTM D5185(m)	60	**61**	63	60
Manganèse	ppm	ASTM D5185(m)	0	**0**	0	<1
Magnésium	ppm	ASTM D5185(m)	1010	**1012**	1025	1028
Calcium	ppm	ASTM D5185(m)	1070	**1091**	1100	1077
Phosphore	ppm	ASTM D5185(m)	1150	**1026**	1052	1089
Zinc	ppm	ASTM D5185(m)	1270	**1228**	1262	1242
Soufre	ppm	ASTM D5185(m)	2060	**2595**	2651	2608
Oxydation	Abs/.1mm	ASTM D7414*	>25	**15.6**	16.6	15.0
Indice d'alcalinité	mg KOH/g	ASTM D2896*	10.0	**10.63**	8.95	9.55
Visc 100°C	cSt	ASTM D7279(m)	15.54	**13.2**	13.2	13.3
Dégradation du lubrifiant	Scale 0-10	ASTM D7684*				

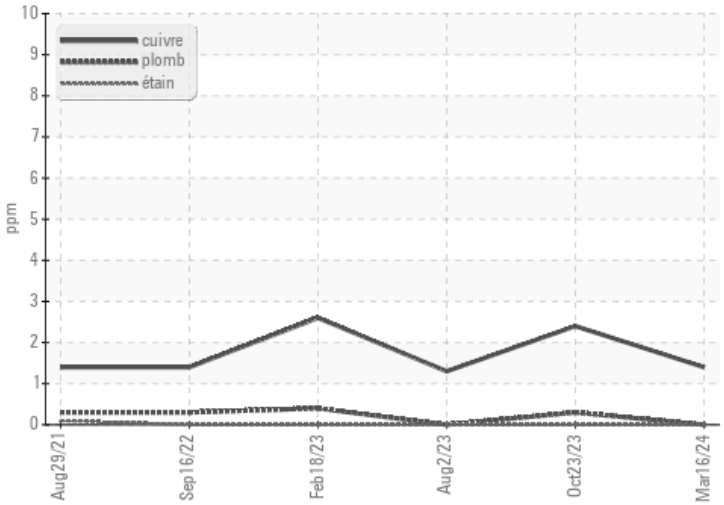
Alliages ferreux



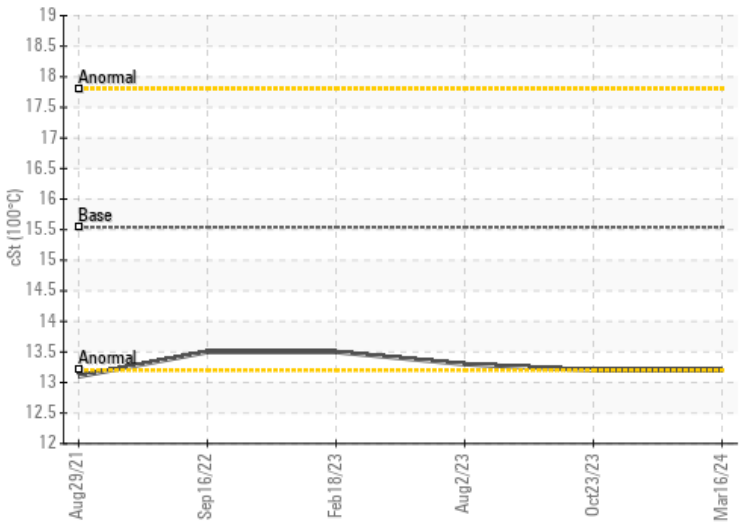
PQ



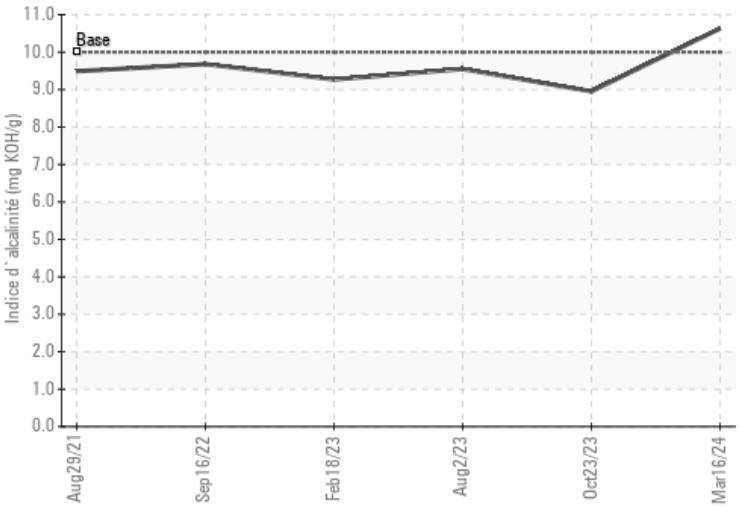
Métaux non-ferreux



Viscosité 100°C



Indice d`alcalinité



ISO 17025:2017 Accredited Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Nº d'échantillon : WC0878513
Nº de laboratoire : 02624158
Numéro unique : 5749277
Analyse : MAR 3

Reçu : 25 Mar 2024
Tested : 26 Mar 2024
Diagnostiqué : 27 Mar 2024 - Kevin Marson

Pour discuter cetter 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.

Canadian Coast Guard
CCGS Amundsen, 101 Boul. Champlain
Quebec, QC
CA G1K 7Y7
Contact: Chief Engineer
amundsense@ccgs-ngcc.gc.ca
T: (418)953-8233
F: x:

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