



# RAPPORT D'ANALYSE D'HUILE

USURE	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
ÉTAT DU FLUIDE	<b>NORMAL</b>

Secteur

## Equipment de Pont

Identité de la machine

## Obsolete 17C01F#2 Grue Avant Tribord (HEPBURN) (S/N C-10080)

Composant

## Grue Avant

Fluide

## PETRO CANADA HYDREX MV ARCTIC 15 (--- GAL)

### RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0811233</b>	WC0627036	WC0392713
Date d'échant.		Client Info		<b>23 Oct 2023</b>	30 Mar 2023	13 Mar 2020
Âge d la Machine	hrs	Client Info		<b>372</b>	296	0
Âge de l'huile	hrs	Client Info		<b>372</b>	296	0
Âge du filtre	hrs	Client Info		<b>134</b>	58	0
Huile changée		Client Info		<b>Not Changd</b>	Not Changd	N/A
Filtre changé		Client Info		<b>N/A</b>	Not Changd	N/A
Statut de l'échant.				<b>NORMAL</b>	NORMAL	ABNORMAL

### USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Chrome	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Plomb	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Cuivre	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	2
Étain	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

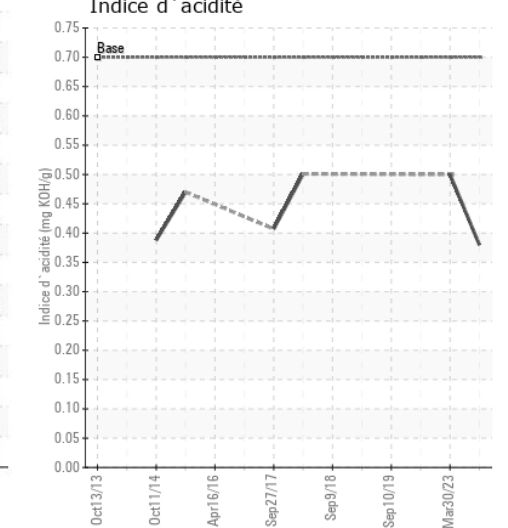
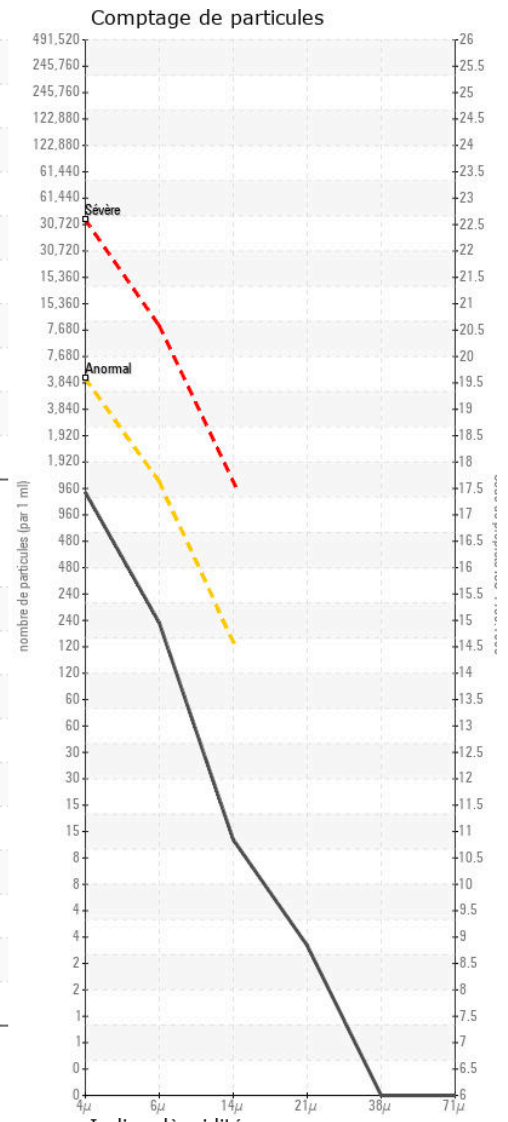
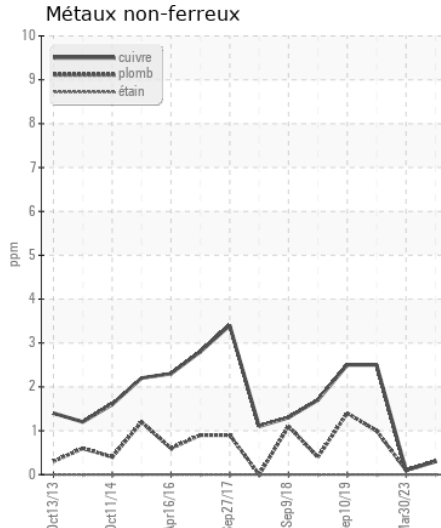
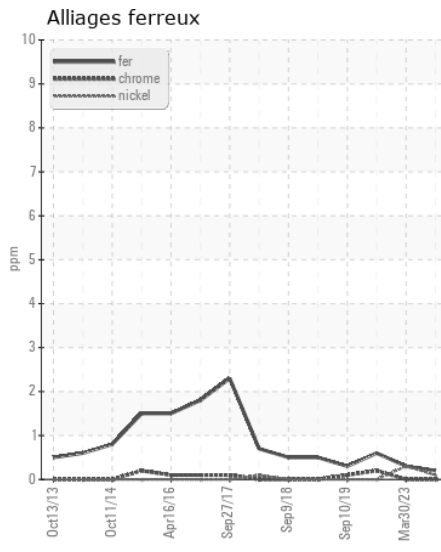
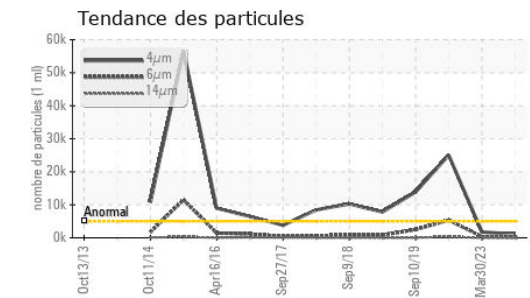
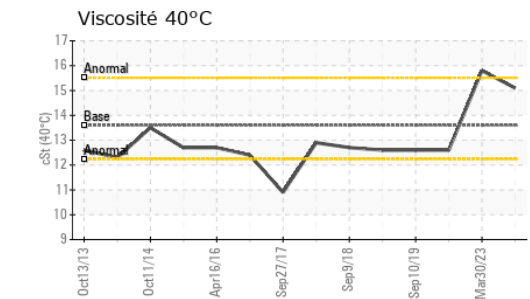
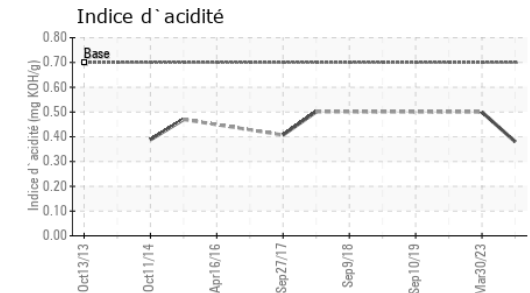
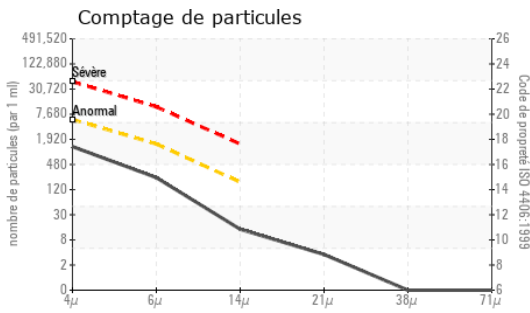
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	0	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1
Particules >4µ		ASTM D7647	>5000	<b>1130</b>	1751	▲ 25025
Particules >6µ		ASTM D7647	>1300	<b>205</b>	329	▲ 5370
Particules >14µ		ASTM D7647	>160	<b>12</b>	19	▲ 294
Particules >21µ		ASTM D7647	>40	<b>3</b>	5	▲ 114
Particules >38µ		ASTM D7647	>10	<b>0</b>	0	7
Particules >71µ		ASTM D7647	>3	<b>0</b>	0	0
Propreté de l'huile		ISO 4406 (c)	>19/17/14	<b>17/15/11</b>	18/16/11	▲ 22/20/15
Limon	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Débris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Saleté	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.05	<b>NEG</b>	NEG	NEG

### ÉTAT DU FLUIDE

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Bore	ppm	ASTM D5185(m)	0	<b>0</b>	0	1
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	<1
Molybdène	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Magnésium	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Calcium	ppm	ASTM D5185(m)	50	<b>52</b>	52	72
Phosphore	ppm	ASTM D5185(m)	330	<b>341</b>	372	312
Zinc	ppm	ASTM D5185(m)	430	<b>426</b>	422	398
Soufre	ppm	ASTM D5185(m)	760	<b>1598</b>	1658	796
Indice d'acidité	mg KOH/g	ASTM D974*	0.70	<b>0.38</b>	0.50	---
Visc 40°C	cSt	ASTM D7279(m)	13.6	<b>15.1</b>	15.8	12.6



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0811233  
**N° de laboratoire** : 02593215  
**Numéro unique** : 5670294  
**Analyse** : MAR 2

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

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.

Contact: Chief Engineer  
 amundsense@ccgs-ngcc.gc.ca  
 T: (418)953-8233  
 F: x: