



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	ANORMAL

Identité de la machine

22C#03 500 HP

Composant

Treuil

Fluid

PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please note that this is a corrected copy for data entry updates.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0811227	WC0627025	WC
Date d'échant.		Client Info		24 Oct 2023	18 Oct 2022	11 Nov 2016
Âge d la Machine	days	Client Info		0	0	0
Âge de l'huile	days	Client Info		0	0	0
Âge du filtre	days	Client Info		0	0	0
Huile changée		Client Info		Not Changd	Not Changd	N/A
Filtre changé		Client Info		N/A	N/A	N/A
Statut de l'échant.				ABNORMAL	ABNORMAL	ABNORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>30	9	8	2
Chrome	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	<1	0	0
Titane	ppm	ASTM D5185(m)	>2	0	0	0
Argent	ppm	ASTM D5185(m)	>2	<1	0	<1
Aluminium	ppm	ASTM D5185(m)	>5	0	<1	0
Plomb	ppm	ASTM D5185(m)	>70	2	2	<1
Cuivre	ppm	ASTM D5185(m)	>65	43	44	18
Étain	ppm	ASTM D5185(m)	>9	0	0	0
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.

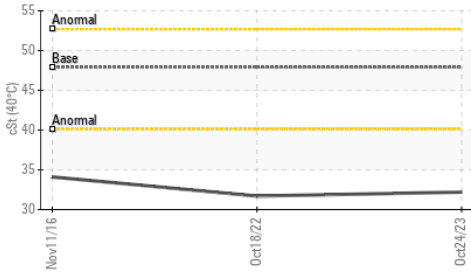
Silicium	ppm	ASTM D5185(m)	>30	<1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	1	<1
L'eau		WC Method	>0.2	NEG	NEG	NEG
Limon	scalar	Visual*	NONE	NONE	NONE	NONE
Débris	scalar	Visual*	NONE	NONE	NONE	NONE
Saleté	scalar	Visual*	NONE	NONE	NONE	NONE
Apparence	scalar	Visual*	NORML	NORML	NORML	NORML
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	NEG	.2%	NEG

ÉTAT DU FLUIDE

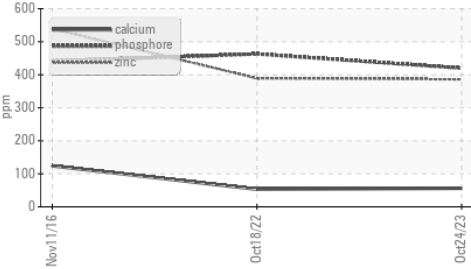
Viscosity of sample indicates oil is within ISO 32 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		18	17	11
Bore	ppm	ASTM D5185(m)	0	0	0	<1
Baryum	ppm	ASTM D5185(m)	0	<1	0	<1
Molybdène	ppm	ASTM D5185(m)	0	0	<1	<1
Manganèse	ppm	ASTM D5185(m)	1	0	0	0
Magnésium	ppm	ASTM D5185(m)	0	6	6	6
Calcium	ppm	ASTM D5185(m)	100	56	53	124
Phosphore	ppm	ASTM D5185(m)	670	420	463	441
Zinc	ppm	ASTM D5185(m)	850	386	389	539
Soufre	ppm	ASTM D5185(m)	1600	1452	1575	1467
Visc 40°C	cSt	ASTM D7279(m)	47.9	▲ 32.2	▲ 31.7	▲ 34.1

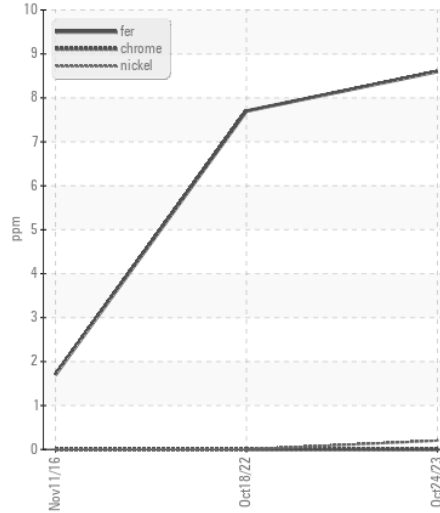
▲ Viscosité 40°C



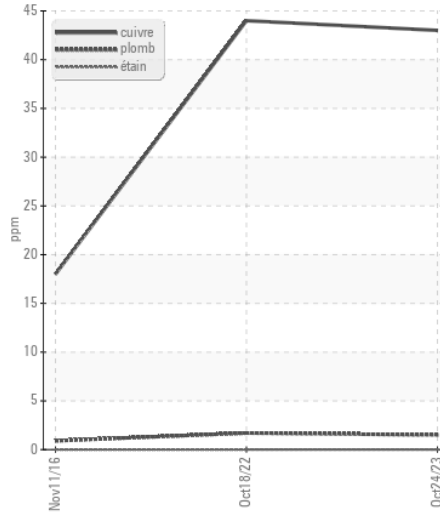
Additifs



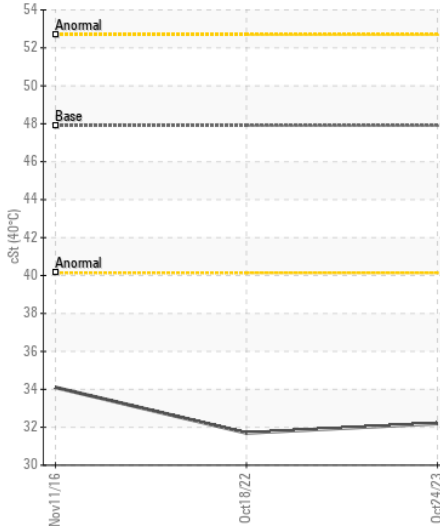
Alliages ferreux



Métaux non-ferreux



▲ Viscosité 40°C



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0811227
N° de laboratoire : 02593241
Numéro unique : 5670320
Analyse : MAR 1

Reçu : 01 Nov 2023
Tested : 09 Apr 2024
Diagnostiqué : 09 Apr 2024 - Kevin Marson

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:

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.