



# RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

## STERN THRUSTER

Composant

### Boîte d'engrenages Supérieur

Fluide

### PANOLIN MARGEAR 100 (--- 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		WC0829229	---	---
Date d'échant.		Client Info		05 Sep 2023	---	---
Âge d la Machine	hrs	Client Info		58	---	---
Âge de l'huile	hrs	Client Info		58	---	---
Âge du filtre	hrs	Client Info		58	---	---
Huile changée		Client Info		N/A	---	---
Filtre changé		Client Info		N/A	---	---
Statut de l'échant.				<b>NORMAL</b>	---	---

#### USURE

All component wear rates are normal.

PQ		ASTM D8184*		0	---	---
Fer	ppm	ASTM D5185(m)	>150	<1	---	---
Chrome	ppm	ASTM D5185(m)	>10	0	---	---
Nickel	ppm	ASTM D5185(m)	>10	<1	---	---
Titane	ppm	ASTM D5185(m)		1	---	---
Argent	ppm	ASTM D5185(m)		0	---	---
Aluminium	ppm	ASTM D5185(m)	>5	<1	---	---
Plomb	ppm	ASTM D5185(m)	>65	0	---	---
Cuivre	ppm	ASTM D5185(m)	>80	<1	---	---
Étain	ppm	ASTM D5185(m)	>8	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	---	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	---	---

#### CONTAMINATION

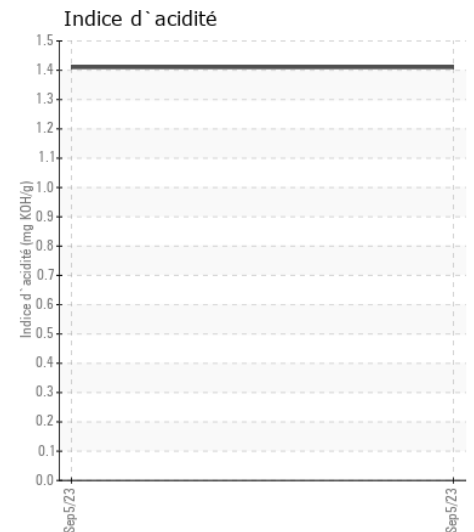
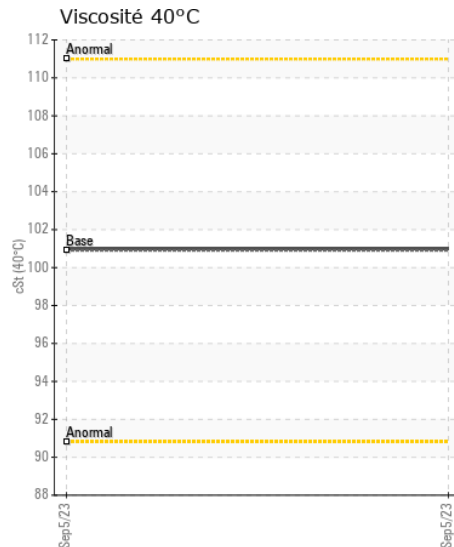
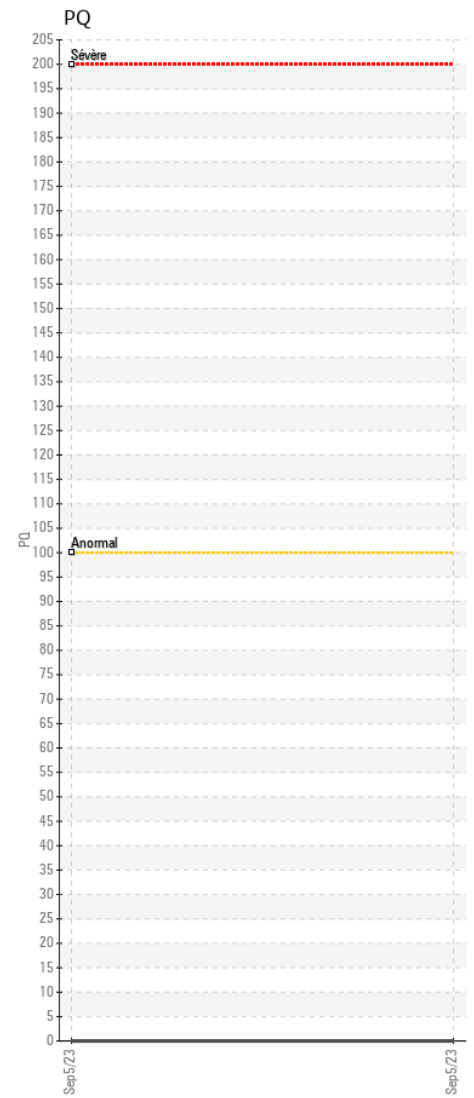
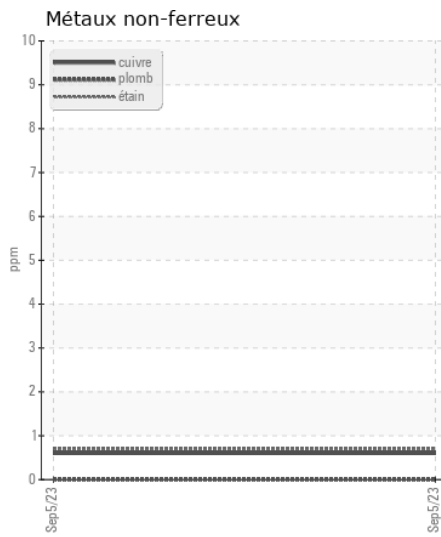
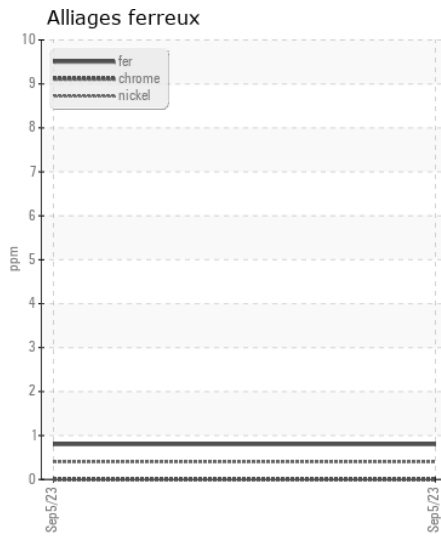
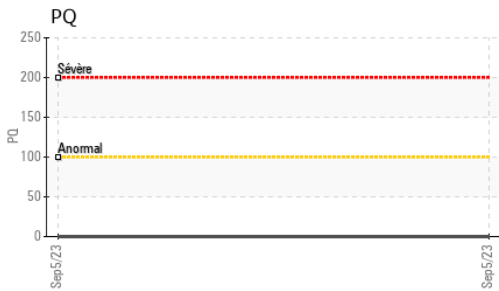
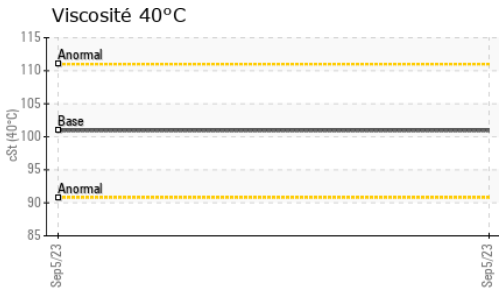
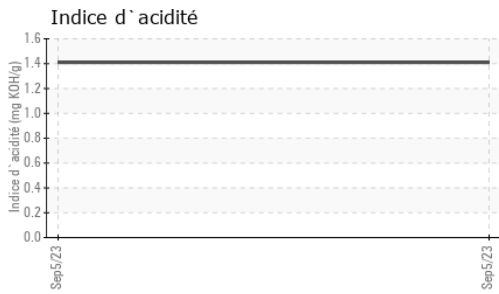
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>20	17	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Limon	scalar	Visual*	NONE	<b>NONE</b>	---	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	---	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	---	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	---	---

#### 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)		1	---	---
Bore	ppm	ASTM D5185(m)		<1	---	---
Baryum	ppm	ASTM D5185(m)		<1	---	---
Molybdène	ppm	ASTM D5185(m)		0	---	---
Manganèse	ppm	ASTM D5185(m)		<1	---	---
Magnésium	ppm	ASTM D5185(m)		<1	---	---
Calcium	ppm	ASTM D5185(m)		4	---	---
Phosphore	ppm	ASTM D5185(m)		359	---	---
Zinc	ppm	ASTM D5185(m)		9	---	---
Soufre	ppm	ASTM D5185(m)		171	---	---
Indice d'acidité	mg KOH/g	ASTM D974*		1.41	---	---
Visc 40°C	cSt	ASTM D7279(m)	100.9	101	---	---



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0829229  
**N° de laboratoire** : 02584552  
**Numéro unique** : 5645617  
**Analyse** : MAR 2 ( Additional Tests: TAN MAN )

**Canadian Coast Guard**  
 CCGS Amundsen, 101 Boul. Champlain  
 Quebec, QC  
 CA G1K 7Y7  
 Contact: Chief Engineer  
 amundsense@ccgs-ngcc.gc.ca

*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.*

T: (418)953-8233

F: x: