



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	ANORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

Propulsion

Identité de la machine

12H11 Propulseur d'Etrave (S/N 5003/0081)

Composant

Propulseur d'étrave

Fluide

SHELL OMALA 100 (80 LTR)

RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0811246	WC0549538	WC0627018
Date d'échant.		Client Info		27 Oct 2023	02 Apr 2023	18 Oct 2022
Âge d la Machine	yrs	Client Info		0	0	0
Âge de l'huile	yrs	Client Info		4	0	0
Âge du filtre	yrs	Client Info		4	0	0
Huile changée		Client Info		Not Changd	Not Changd	Not Changd
Filtre changé		Client Info		N/A	Not Changd	Not Changd
Statut de l'échant.				ABNORMAL	ABNORMAL	ABNORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	5	3	3
Chrome	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)		0	0	0
Aluminium	ppm	ASTM D5185(m)	>10	<1	<1	<1
Plomb	ppm	ASTM D5185(m)	>20	<1	0	<1
Cuivre	ppm	ASTM D5185(m)	>20	4	4	3
Étain	ppm	ASTM D5185(m)	>15	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

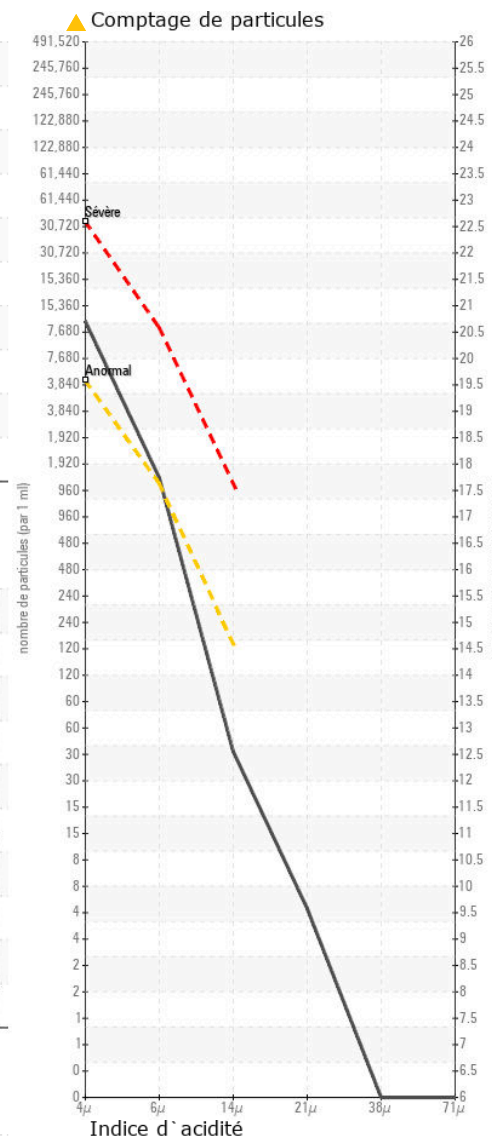
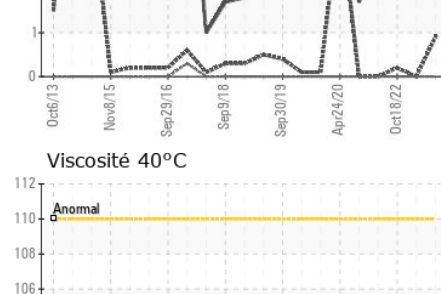
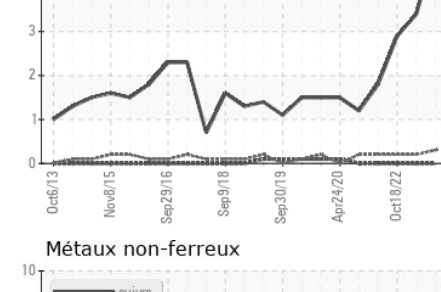
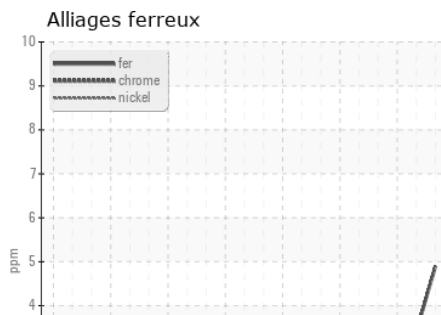
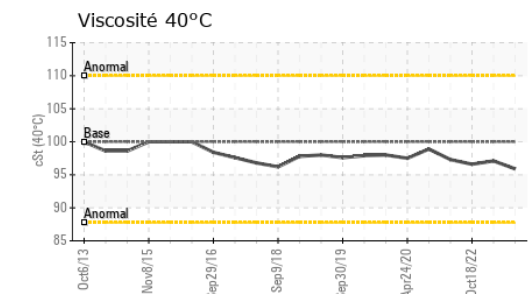
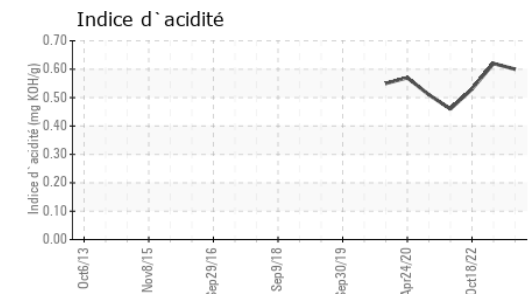
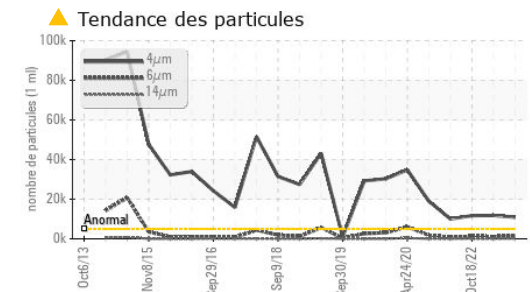
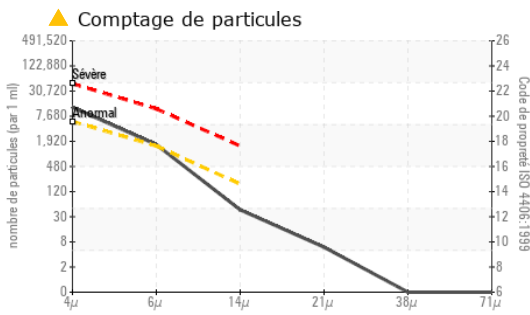
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicium	ppm	ASTM D5185(m)	>7	2	2	1
Potassium	ppm	ASTM D5185(m)	>20	0	0	0
Particules >4µ		ASTM D7647	>5000	▲ 10895	▲ 11772	▲ 11694
Particules >6µ		ASTM D7647	>1300	▲ 1402	1137	1266
Particules >14µ		ASTM D7647	>160	39	9	19
Particules >21µ		ASTM D7647	>40	5	2	4
Particules >38µ		ASTM D7647	>10	0	0	0
Particules >71µ		ASTM D7647	>3	0	0	0
Propreté de l'huile		ISO 4406 (c)	>19/17/14	▲ 21/18/12	▲ 21/17/10	▲ 21/17/11
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	NEG	NEG

ÉTAT DU FLUIDE

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sodium	ppm	ASTM D5185(m)		2	2	1
Bore	ppm	ASTM D5185(m)	6.2	13	15	15
Baryum	ppm	ASTM D5185(m)	0.0	<1	0	0
Molybdène	ppm	ASTM D5185(m)	0	0	0	0
Manganèse	ppm	ASTM D5185(m)		<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	0	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	0.0	9	8	10
Phosphore	ppm	ASTM D5185(m)	512	302	333	324
Zinc	ppm	ASTM D5185(m)	3.8	52	39	32
Soufre	ppm	ASTM D5185(m)	8167	6558	6609	6533
Indice d'acidité	mg KOH/g	ASTM D974*		0.60	0.62	0.53
Visc 40°C	cSt	ASTM D7279(m)	100.0	95.9	97.1	96.6



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0811246
N° de laboratoire : 02593240
Numéro unique : 5670319
Analyse : MAR 2

Canadian Coast Guard
 CCGS Amundsen, 101 Boul. Champlain
 Quebec, QC
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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.