



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

Propulsion

Identité de la machine

12E05A#01 Azipod avant (S/N 05298.1.S.PR1-P112)

Composant

Système hydraulique

Fluid

ESSO NUTO H ISO 46 (--- 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		WC0878505	---	---
Date d'échant.		Client Info		20 Mar 2024	---	---
Âge d la Machine	hrs	Client Info		0	---	---
Âge de l'huile	hrs	Client Info		0	---	---
Âge du filtre	hrs	Client Info		0	---	---
Huile changée		Client Info		Not Changd	---	---
Filtre changé		Client Info		Not Changd	---	---
Statut de l'échant.				NORMAL	---	---

USURE

All component wear rates are normal.

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

CONTAMINATION

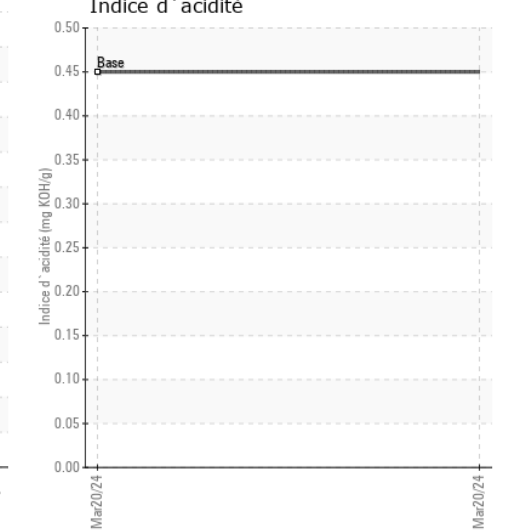
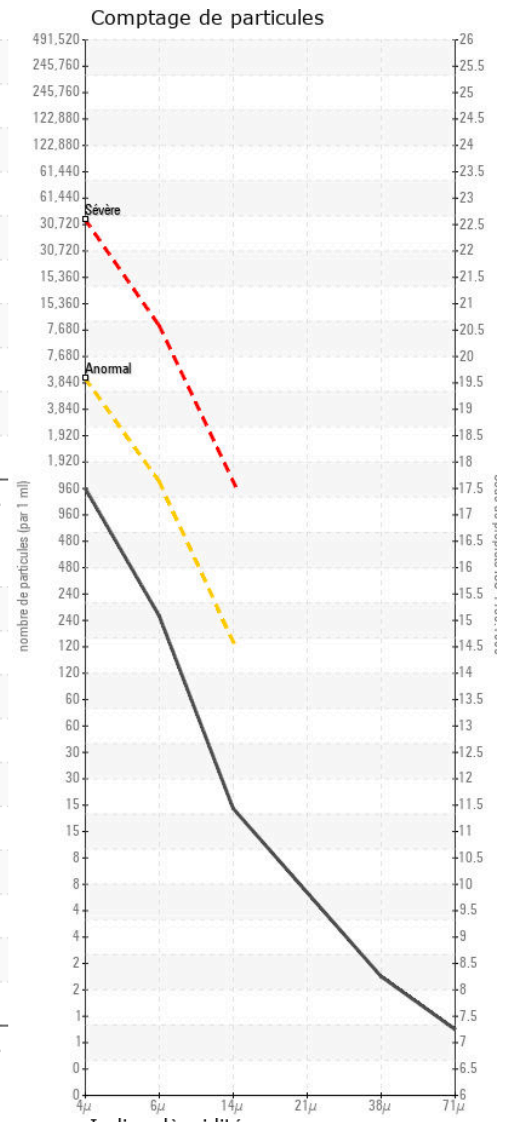
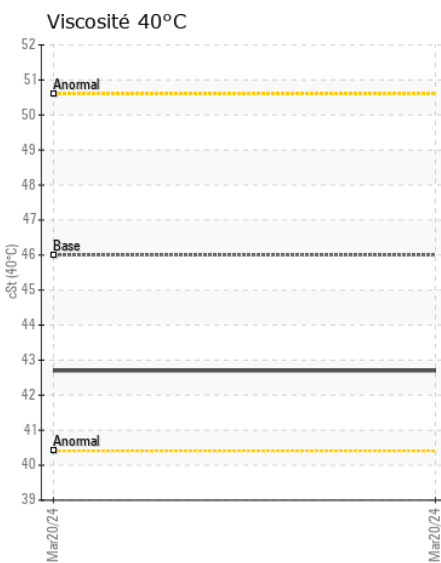
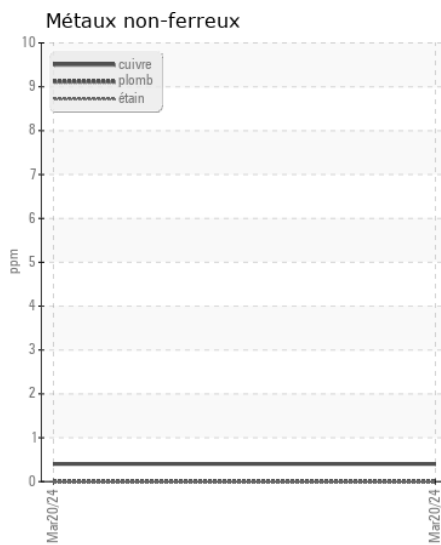
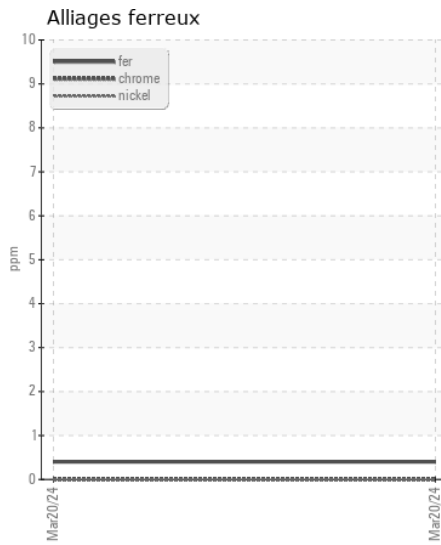
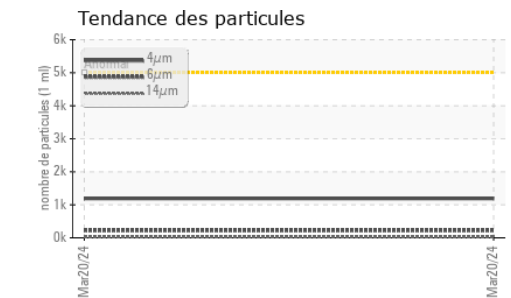
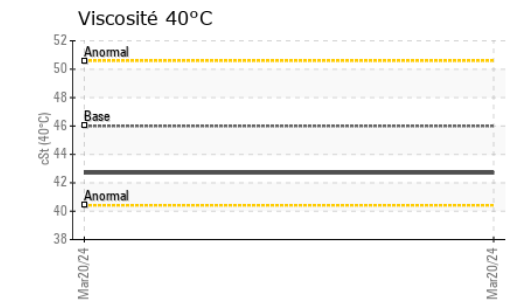
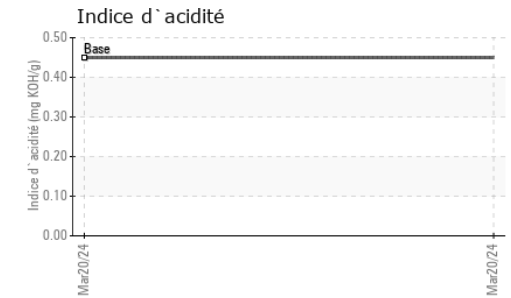
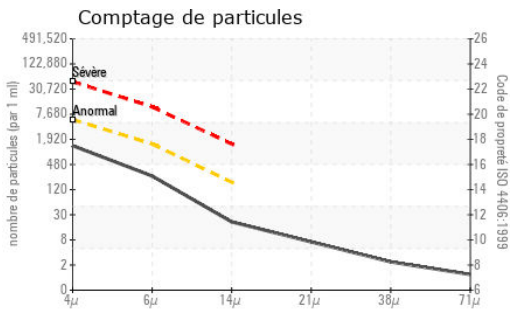
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicium	ppm	ASTM D5185(m)	>15	<1	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
L'eau		WC Method	>0.05	NEG	---	---
Particules >4µ		ASTM D7647	>5000	1189	---	---
Particules >6µ		ASTM D7647	>1300	224	---	---
Particules >14µ		ASTM D7647	>160	18	---	---
Particules >21µ		ASTM D7647	>40	6	---	---
Particules >38µ		ASTM D7647	>10	2	---	---
Particules >71µ		ASTM D7647	>3	1	---	---
Propreté de l'huile		ISO 4406 (c)	>19/17/14	17/15/11	---	---
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	---	---
Eau émulsifiée	scalar	Visual*	>0.05	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)		<1	---	---
Bore	ppm	ASTM D5185(m)	0	0	---	---
Baryum	ppm	ASTM D5185(m)	0	0	---	---
Molybdène	ppm	ASTM D5185(m)	0	0	---	---
Manganèse	ppm	ASTM D5185(m)		0	---	---
Magnésium	ppm	ASTM D5185(m)	5	<1	---	---
Calcium	ppm	ASTM D5185(m)	50	52	---	---
Phosphore	ppm	ASTM D5185(m)	330	331	---	---
Zinc	ppm	ASTM D5185(m)	410	425	---	---
Soufre	ppm	ASTM D5185(m)	2700	5540	---	---
Indice d'acidité	mg KOH/g	ASTM D974*	0.45	0.45	---	---
Visc 40°C	cSt	ASTM D7279(m)	46	42.7	---	---



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0878505
N° de laboratoire : 02624285
Numéro unique : 5749404
Analyse : MAR 2

Reçu : 25 Mar 2024
Tested : 26 Mar 2024
Diagnostiqué : 26 Mar 2024 - Wes Davis

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.