
Date April 28, 2022
To OSC, Duty Duperintendents Lead Operators & Operators
Subject South Guide Cable (39kt Sustained at Sisters Island Land Station Limitation)

A non-destructive cable test has determined that the south guide cable is no longer sufficient for use. The cable was 1-5/8" diameter with a 285,000 lb breaking strength. The Cable has been replaced with a 1-1/2" diameter cable with a 249,000 lb breaking strength.

The engineering analysis undertaken by 3GA Marine Consultants confirms the 1-1/2" diameter cable exceeds all safety requirements when the weather matrix is adjusted to 39knots. Due to the south guide cable strength we must reduce the weather matrix to a sustained wind strength of 39kts at [Sisters Island land station](#).

Do not sail in sustained winds exceeding 39kts at Sisters Island land station

In the event a cable parts, here are some notes to be aware of;

1. Crew and passengers are not in danger, the cable will drop away to the sea floor. It may be loud as it runs out the sheaves however there is no risk of the cable coming up to the deck level.
2. The vessel is safe to operate on two cables. Both guide cables are redundant, meaning they add a safety factor. When running on two cables inform OSC who will have Dock 2000 or a suitable vessel on standby to assist if additional situation arises.
3. When a cable parts, complete the voyage, discharge passengers and stop service. Carry out a hull inspection with the rescue boat and commence an OSC conference. The conference will determine what actions are required to continue operating on 2 cables.

Regards,

Andy Weigold
Snr. Master, Baynes Sound Connector
British Columbia Ferry Services Inc.
1300 Ellenor Rd., Comox, BC, V9M 4B3

C: ss. 15, 19

Andrew.Weigold@bcferries.com

bcferries.com

	A Watch	B Watch	C Watch	Relief	Relief	Relief
Lead Op.						
Operator						

Date April 28, 2022 RECEIVED July 16, 2022
To Lead Operators & Operators
Subject Return to regular watchkeeping duties

Hi,

Comments on limiting access to engine spaces while underway due to risk of hydraulics failing;

- 1. New shielding has been installed.
- 2. New hoses have been installed and are tested to 1.5x operating pressure (7500psi).
- 3. Operating pressure at maximum is around 4900psi and in dock it drops to 400psi.

The risks of hydraulic line bursts have been mitigated and Lead Operator\Operators to carry out regular watchkeeping duties while underway in the operating generator space, watchkeeping duties include but are not limited to;

- 1. Ensure components are operating at optimum pressures and temperatures
- 2. Regular rounds
- 3. Responding to alarms
- 4. Cleaning sea strainers
- 5. Topping up lubricants
- 6. Checking on alarms

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	A Watch	B Watch	C Watch	Relief	Relief	Relief
Lead Op. Operator	ss. 22					

Date September 27, 2022
To Lead Operators & Operators
Subject Use of the dynamic brake and acceleration\deceleration

This evening I was on a conference with terminal maintenance, engineering and fleet technical to discuss the breaking of the bull wheel bolts. Teams are still not entirely sure why the bolts are breaking and investigation is ongoing. s. 13



Control measures from Terminal Maintenance;

1. Spare Bolts will be kept on site.
2. Tools to replace bolts will be kept on site.
3. All bolts will be changed tomorrow night. (Wednesday September 28)
4. Bolts will be replaced every 2 weeks and inspected.

In the interim the following operational limitations continue to be in place;

1. The dynamic brake is not to be used.
2. The emergency stop button associated with the dynamic brake system can be used to prevent collision or hard landing.
3. In the event the emergency stop is used create an IAR and contact TM, Sr. C\E and Myself. The bolts will be replaced.
4. When accelerating do so in increments to reduce point load.
5. When decelerating do so gradually meeting 6knots at the outer bouys and 4 knots at the inner bouys. Attempt to match the handle setting just below the speed on slow down so that the cable is not turning the machinery and load is reduced.

Regards,

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	A Watch	B Watch	C Watch	Relief	Relief	Relief
Lead Op.						
Operator						

Date January 9, 2023
To OSC, Duty DuperIntendents Lead Operators & Operators
Subject South Guide Cable (39kt Sustained)

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Do not sail in sustained winds exceeding 39kts

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