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SERVICE BULLETIN NUMBER 02-030510

- ACTION IS REQUIRED -

TO: ALL OPERATORS OF BORVIG LIFTS BUILT FROM 1975-1982.

SUBJECT: CRACKS IN ROPE GRIP BODY JAW

REFERENCES: DRAWING C-2715

Critical indications have been discovered in the jaw area on the main grip body of the above mentioned grips that will require this model of grip to be removed from service in stages. The bulk of these grips were supplied on Borvig lifts from 1976-1980. Some lifts built in 1975 and in 1981-2 may not be affected since they were supplied with a different model of grip. If your lift does not have this particular style of grip, this bulletin does not affect your lift.

According to our records, there are 2,888 of these grips that were supplied by Borvig. Some have already been replaced. These grips can easily be identified, the main journal where the chair head attaches to the grip is 65mm in diameter with two snap ring grooves, 24 spring washers and the grip body has welded metal grip guides. Later models had pivoting metal grip guides and even later models used plastic grip guides, they are not affected by this bulletin. The year of manufacture is cast in the grip as "75", "76", "77", "78", "79", and "80". Most were delivered in 1977, 1978 and 1979.

The cause of the failures is due to several factors, in many cases a combination thereof. Metal fatigue is the primary cause. In some cases, severe coining of the grip jaw, poor maintenance of bullwheel liners, gaps in bullwheel liners and the use of hard urethane sheave liners have contributed to the failure. These grips have been in service for over 30 years and have endured many millions of cycles passing over sheave assemblies and around bull wheels.

The affected grips are to be replaced as follows:

1/3 Prior to 11/15/10
1/3 Prior to 11/15/11
1/3 Prior to 11/15/12

All existing grips will have to be 100% NDT tested in order to establish how many grips have indications. If more than one third are found to have indications, those additional grips will also have to be replaced prior to 11/15/10.

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Any grips which do not show indications but have severe coining shall also be rejected and will require replacement prior to 11/15/10. The remaining grips can be used until 11/15/11 at which time a another 1/3 shall be replaced for a total of 2/3 of the original grips and a sufficient quantity of the remaining grips shall be tested that can be put in to service until 11/15/12 at which time they will be replaced as well.

Grips may be sent to Partek for testing or contact Partek for NDT specifications. All grips must be cleaned of grease, paint and blasted to bare metal.

REPLACEMENT GRIPS

Existing hardware such as spring washers, compression slugs, grip nuts with washer and the 65mm collar may be used on the new grips. The new grips contain 32 spring washers. Additional washers may be purchased, it is recommended that all washers be replaced but it is not required. Existing spring washers that are rusted, broken, flattened or worn are to be replaced. New grips may be purchased completely assembled or they may be purchased without the hardware. New grips will be supplied with one new snap ring. The new grips have a hinged plastic guide instead of welded guides. The moveable jaws from the old grips ARE NOT interchangeable with the new grip body! Grips are to be entirely replaced, both the body and moveable jaw.

Some lifts may have 1.00" rope grips, these are not available. The rope shall be replaced with a 1.125" rope. Available grip sizes are 1.125", 1.250" and 1.375". We are only aware of two lifts that may still have 1.00" rope grips of this type.

The replacement grips are a direct replacement, no modifications are required. Worn plastic bushings in the chair heads should be replaced prior to installing the new grips.

The lead time for replacement grips is 20 weeks. Contact Partek to determine if your grips are affected by this bulletin, if so we will confirm the size of the rope on the lift and the size of the rope grip.

Dissemination of Information

All owner/operators of Borvig Lifts with grips affected by this bulletin are required to inform any authorities having jurisdiction over such matters.

This bulletin consists of four pages including drawings. If you have not received all four pages, please contact us immediately.

Partek will transmit this bulletin via mail, e-mail and facsimile to operators, authorities and regulatory agencies.

Hagen Schulz
President

Photo Of Crack



Grip Year Identification

