



INCIDENT ALERT

General Information

Date of Incident	3 rd March 2014
Region	New South Wales
Type of Incident	Potential for harm

About the Person

Occupation of Person	N/A
Experience of Person	N/A
Training Level	N/A
Other Training	N/A
No. of Hours Completed	N/A

About the Incident

Time of Accident	N/A
Result of Injury	Potential Only
Lost Days	Nil
Description of Incident	High Pressure Water Jetting Hoses were identified with the following issues (a) end fittings not matched to the pressure hose (b) hoses had been pressure tested below (2750bar) the hose working pressure (3200bar).
What Equipment Category	High Pressure Water Jetting Hoses
Equipment Used	N/A
What happened unexpectedly	When the high pressure water jetting hoses were inspected prior to the regular external inspection and test program, hoses were observed not having the hose manufacturers specified end fittings.
What Was Person Doing	Hose inspection & testing

Corrective Action

What Immediate Action	Hose owner was notified of the non-conformance. The non-conforming hose ends were removed and conforming ends fitted. Hoses pressure tested and returned to the hose owner.
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Preventative Action

Elimination	Use only the hose maker's specified hose end fittings.
Substitution	
Isolation or barriers	
Engineering	
Administration	Check high pressure water jetting hoses that are in use comply with conforming end fittings and pressure ratings.
PPE	

LEARNINGS

AS/NZS 4233.2 clause 4.2.2 Hose assemblies needs to be complied with.
High Pressure Water Jetting Hose maker's specifications need to be complied with.
Maunli Hose: DON'T MIX AND MATCH: MRI strictly recommends the use of its integrated water blasting package. The use of alternative hose or fittings can result in the assembly poor quality and reliability. **See attached information from Maunli Hydraulics.**
Parker Hose: To ensure the safest hose assembly practices and highest quality hose assemblies for our customers, Parker's Hose Products Division would like to give you a quick reminder on our recommendations regarding hose and fitting compatibility.

Milan, 12 March 2014
Ref. TECH-MKT 07/2014

To: FLUICONNECTO
Australia
Att. Mr. Alan Wood

Subject: Goldenblast hose fitting integration

The present document is aimed to underline that, considering hose assemblies for hydraulics as well as for waterblasting, the hose-fitting integration since the design and qualification phases is mandatory and required by the international specifications of the sector, being impacted the safety. For the purpose it is important to mention the ISO TR 17165-2 "Recommended practices for hydraulic hose assemblies", reporting at the par.6.4 Compatibility between hose and hose fittings:

"Care shall be taken to determine proper compatibility between the hose and hose fitting. Selection shall be based on the manufacturers' recommendations substantiated by testing to relevant standards for hose and hose fittings. Hose from one manufacturer is not usually compatible with hose fittings from another. Hose from one manufacturer and hose fittings from another manufacturer shall not be intermixed without approval from both manufacturers."

GOLDENBLAST hoses by Manuli Hydraulics, dedicated to waterblasting applications, are recommended with the original Manuli fittings (inserts and ferrules), strictly following the Manuli Hydraulics assembling parameters chart (see crimp chart booklet Ed January 2014) and instructions.

For further clarification on the subject, the GOLDENBLAST hose assemblies catalogue underlines *"DON'T MIX AND MATCH: MRI strictly recommends the use of its integrated waterblasting package. The use of alternative hose or fittings can result in the assembly poor quality and reliability."*

The use of fittings from other manufacturers with the Manuli GOLDENBLAST hoses can be risky because the assemblies obtained are not designed, not tested, not qualified, not approved for the intended purpose. For these cases, we refer to the Manuli Hydraulics Sales terms and conditions reported in the catalogue, in particular at the point 15a:

"The warranty does not cover any faults caused by assembly operations not carried out using only MHG's original parts or MHG's original certified parts, ... "

We underline that GOLDENBLAST hose assemblies impact safety and the integration of the hose with the original fittings and assembling parameters is strictly mandatory for the safety.

Yours faithfully,

Best regards
M. Cesaroni
Technical Marketing

