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SAFETY ALERT

Product Safety Bulletin No. 3

Subject:

Service loop – Static charge

Product:

Serial numbers: SN13 – SN38

Affected Assemblies:

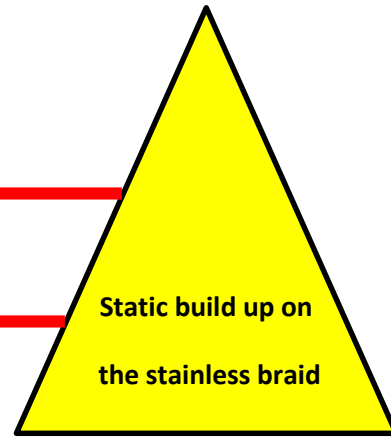
Service Loop Mounting Brackets

Issue:

It has been determined that a static charge build up can occur on the stainless over braid covering the power cable leads as a result of the braid being ungrounded. This build up could result in a perceptible shock to the hoist chain or cable if it were to come in contact intermittently with the braid. The magnitude of charge buildup is unknown at this time, but, due to the short length of the braid, it should be well below a harmful level.

Solution:

An external grounding solution will be sufficient to dissipate static charge to ground safely. GDS is providing a grounding kit that should be installed according with the following instructions.



INSTRUCTIONS FOR FIELD GROUNDING OF UNGROUNDED BRAID

Remove the lifting eye from either side of the flange. If the lifting eye is not present, use bolts included in the repair kit.



1. Scrape the paint off of the flange to create a clean mating surface with the earth tag.



2. Place the nickel plated earth tag on the surface of the flange. Screw the lifting eye or bolt back on the flange and tighten securely.

3. The exposed copper on each of the insulated leads from the earth tag should be placed on the armor braid, and then the spring clamp should be applied to secure the copper to the braid.
4. Apply the spring clamp two laps around the braid and grounding lead. Bend the conductor from the lead backwards over the spring clamp (as shown in figure below). Complete the application of the spring clamp.



5. Use the Scotch 50 Corrosion Protection Tape provided in the tool kit to cover the assembly. Use three layers with 50% overlap applied under tension and cover the assembly at least two inches on each side of the clamp.

Final Voltage Test

1. After grounding the braid, a test should be conducted with the loop energized. Use a voltmeter to test the braid for voltage to ground.



2. The voltmeter should read a value less than 25 volts in accordance with API 14F-2008 Clause 6.3.3.3.1.

If assistance is required, please contact the GDS Service Department.

Caution:

This Safety Alert is issued for all GDM Top Drives. Not following the recommendations and / or guidance in GDS Product Safety Bulletins may result in death, bodily injury or property damage.