

BECKER

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October 11, 2011
File No. 985-1101.SB2

Proline Pipe Equipment Inc.
7141 67 Street
Edmonton, Alberta
T6B 3L7

Attention: Mr. Dave Styre

Structural Design Review and Certification of Steel Spreader Plate for Proline Pipe Equipment Located at 7141 - 67 Street, Edmonton, Alberta

Further to your instructions, we reviewed the design of the above noted spreader plate to determine its safe load carrying capacity. The results of our engineering review and analysis are presented herein.

1. The spreader plate is fabricated of a 87-1/2" x 22-1/2" x 2" plate, complete with 13-1/2" x 10" lifting hole at the centre and 2-1/2" diameter hole for 35 ton Crosby shackle at either end. The spreader plate is fabricated using 700QT steel Grade to CSA G40.20/21.
2. The lifting hole in the spreader plate is to be reinforced on both sides with an annulus of 3-3/4" width. The shackle holes are to be reinforced on both sides with an annulus of 1-1/4" width. All hole reinforcing annuli are to be laser cut from 3/8" thick plate to CSA G40.20/21 300W steel Grade and welded all around with 3/8" fillet welds.
3. Our analysis of the spreader plate is based on the following criteria:
 1. The holes are not cut with a torch.
 2. The holes have a smooth surface that is free of cracks, pits, notches, sharp corners, or other defects.
 3. All welding are done to CSA W59-03 by certified welders.

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Our design review and analysis confirmed that the safe load capacity of the spreader plate is 100 kips (50 tons), based on a factor of safety of 5.0 and subject to the following conditions:

1. The specified safe load capacity of the spreader plate is not to be exceeded without the consent and supervision of a professional engineer.
2. The spreader plate is to be replaced or adequately repaired if any component becomes cracked, twisted, bent, excessively corroded or otherwise damaged.
3. All lifts are to be performed in such a way that the spreader plate is not subjected to torsion.
4. All bearing pins, slings, chains, et cetera have adequate load capacity and are attached in a manner consistent with safe lifting procedures.
5. Any other lifting devices used in conjunction with the spreader plate shall be used in a safe and cautious manner at all times.
6. Alberta Occupational Health and Safety Codes and all other local and Government Codes, Ordinances and Safety Regulations pertaining to the usage and operation of lifting equipment are followed.
7. The safe load capacities listed herein are not an indication of the load capacities of any hooks, pins, wire ropes, chains, slings, or lifting devices used in conjunction with the spreader bars. It takes into consideration only the ability of the spreader bar to resist the specified loads.

We trust that this is the information you require. Please call if we can provide you with any additional assistance on this matter.

Yours truly,

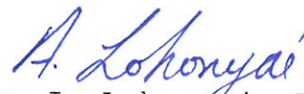
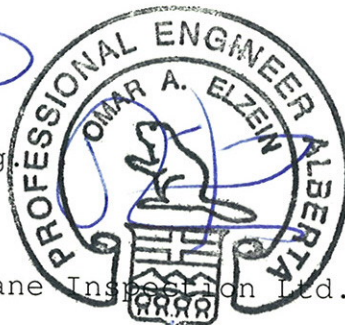
Becker ElZein and Associates Ltd.



Omar A. ElZein, P. Eng.

OEZ/AJL/idm

c. c. to: Klondike Crane Inspection Ltd.



Adam J. Lohonyai, E.I.T.

Permit 03557