

## Appendix L

# KHMR Documentation of Hanger Arm Damage

### KHMR Measurements of Bent Hanger Arm Gussets, Post Incident

| Cabin # | Gusset Deformation | Deformation Depth (mm) |
|---------|--------------------|------------------------|
| 1       | No                 | -                      |
| 2       | Yes                | 16                     |
| 3       | No                 | -                      |
| 4       | No                 | -                      |
| 5       | No                 | -                      |
| 6       | No                 | -                      |
| 7       | No                 | -                      |
| 8       | Yes                | 2                      |
| 9       | No                 | -                      |
| 10      | No                 | -                      |
| 11      | Yes                | 12                     |
| 12      | Yes                | 18                     |
| 13      | Yes                | 5                      |
| 14      | Yes                | 9.5                    |
| 15      | Yes                | 18.7                   |
| 16      | No                 | -                      |
| 17      | No                 | -                      |
| 18      | No                 | -                      |
| 19      | No                 | -                      |
| 20      | Yes                | 16                     |

| Analysis     |            |
|--------------|------------|
| Range (mm)   | Qty        |
| 1 - 5        | 7          |
| 6 - 10       | 9          |
| 11 - 15      | 7          |
| 16 - 20      | 7          |
| 21 - 25      | 2          |
| 26 - 30      | 1          |
| <b>Total</b> | <b>33</b>  |
| <b>%</b>     | <b>60%</b> |

|    |     |    |
|----|-----|----|
| 21 | Yes | 6  |
| 22 | Yes | 1  |
| 23 | Yes | 25 |
| 24 | Yes | 5  |
| 25 | No  | -  |
| 26 | Yes | 27 |
| 27 | Yes | 12 |
| 28 | No  | -  |
| 29 | Yes | 16 |
| 30 | Yes | 5  |
| 31 | Yes | 15 |
| 32 | Yes | 2  |
| 33 | Yes | 13 |
| 34 | Yes | 7  |
| 35 | No  | -  |
| 36 | Yes | 11 |
| 37 | Yes | 7  |
| 38 | Yes | 11 |
| 39 | Yes | 9  |
| 40 | Yes | 21 |
| 41 | Yes | 6  |
| 42 | Yes | 13 |
| 43 | No  | -  |
| 44 | No  | -  |
| 45 | Yes | 6  |

|    |     |    |
|----|-----|----|
| 46 | Yes | 3  |
| 47 | Yes | 17 |
| 48 | No  | -  |
| 49 | No  | -  |
| 50 | No  | -  |
| 51 | No  | -  |
| 52 | Yes | 8  |
| 53 | No  | -  |
| 54 | Yes | 17 |
| 55 | Yes | 10 |