## LIMITED LIFE PRESSURE VESSEL ITEMS LIST

**CONTRACTOR:** CARLO GAVAZZI SPACE S.P.A.
**ITEM DESCRIPTION:** MAIN WAKE RADIATOR TCS ASSY

**MODEL:** PFM
**PART N°/C.I. N°:** 42-AMS02TCS-000.00.00 / M WAKE TCS 11

**SERIAL N°:** FM01

| ITEM DESCRIPTION | PART NUMBER | SERIAL NUMBER | Max. pressure operating time/cycles or life duration for which proper function is safeguarded | START DATE | END DATE | REMARKS |
|---|---|---|---|---|---|---|
| Axial Grooved Heat Pipe | IEA031/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 04/07/ 2007 | 04/07/ 2025 | Date of charging:04/07/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA032/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 29/06/ 2007 | 29/06/ 2025 | Date of charging:29/06/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA033/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 04/07/ 2007 | 04/07/ 2025 | Date of charging:04/07/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA034/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 27/07/ 2007 | 27/07/ 2025 | Date of charging:27/07/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA035/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 22/06/ 2007 | 22/06/ 2025 | Date of charging:22/06/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA036/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 28/06/ 2007 | 28/06/ 2025 | Date of charging:28/06/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA037/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 29/06/ 2007 | 29/06/ 2025 | Date of charging:29/06/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA038/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 28/06/ 2007 | 28/06/ 2025 | Date of charging:28/06/200 7 with ammonia |

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**SERIAL N°:** FM01

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|---|---|---|---|---|---|---|
| Axial Grooved Heat Pipe | IEA039/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 28/06/2007 | 28/06/2025 | Date of charging:28/06/2007 with ammonia |
| Axial Grooved Heat Pipe | IEA040/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 28/06/2007 | 28/06/2025 | Date of charging:28/06/2007 with ammonia |
| Axial Grooved Heat Pipe | IEA041/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 29/06/2007 | 29/06/2025 | Date of charging:29/06/2007 with ammonia |
| Axial Grooved Heat Pipe | IEA042/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 29/06/2007 | 29/06/2025 | Date of charging:29/06/2007 with ammonia |
| Axial Grooved Heat Pipe | IEA043/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 29/06/2007 | 29/06/2025 | Date of charging:29/06/2007 with ammonia |
| Axial Grooved Heat Pipe | IEA044/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 28/06/2007 | 28/06/2025 | Date of charging:28/06/2007 with ammonia |
| Axial Grooved Heat Pipe | IEA045/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 22/06/2007 | 22/06/2025 | Date of charging:22/06/2007 with ammonia |
| Axial Grooved Heat Pipe | IEA046/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 22/06/2007 | 22/06/2025 | Date of charging:22/06/2007 with ammonia |

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**SERIAL N°:** FM01

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|---|---|---|---|---|---|---|
| Axial Grooved Heat Pipe | IEA047/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 20/07/ 2007 | 20/07/ 2025 | Date of charging:20/07/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA048/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 22/06/ 2007 | 22/06/ 2025 | Date of charging:22/06/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA049/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 15/06/ 2007 | 15/06/ 2025 | Date of charging:15/06/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA050/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 15/06/ 2007 | 15/06/ 2025 | Date of charging:15/06/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA051/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 15/06/ 2007 | 15/06/ 2025 | Date of charging:15/06/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA052/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 29/06/ 2007 | 29/06/ 2025 | Date of charging:29/06/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA053/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 20/07/ 2007 | 20/07/ 2025 | Date of charging:20/07/200 7 with ammonia |
| Axial Grooved Heat Pipe | IEA054/07 | N.A. | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | 15/06/ 2007 | 15/06/ 2025 | Date of charging:15/06/200 7 with ammonia |

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|---|---|---|---|---|---|---|
| Upper LHP System ASSY | CG022-D-1150-00 | 1 | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | | | Date of charging: with ammonia |
| Lower LHP System ASSY | CG022-D-1050-00 | 1 | 18 years (Flight operation:12 years, Storage and ground operation: 6 years) | | | Date of charging: with ammonia |
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