

October 2013

88630

New batch of items for conservation.

W:\Projects\London Gateway\London Gateway 2012\72439 Materials conservation and recording\72438 Conservation

- Junkers 88 first aid kit:
 - repack by lining box or make Correx box.

- 2x boxes containing dry items that may need attention:
 - air tank? (OK).
 - 2x dials (or similar).

- items currently on top of large tank:
 - desalinate and control dry.

- 3 items in black tank on floor:
 - desalinate and control dry instruments.
 - dry out cylinder.

Tracking:

OBJECT	WA NUMBER	INTO FINDS	OUT OF FINDS	COMMENTS
oxygen cylinder	WA314	11.10.2013	15.01.2014	dry out only (may not survive)
heated clothing control	WA313	11.10.2013		Box 4, from black crate on floor, two detached fragments - top of a rivet and small section of paint retained for later re-attachment
compass	WA317	11.10.2013		from black crate on floor, two small clips either from this or WA 313 retained separately
part of handle mechanism	WA310	16.10.2013		Box 2, fragment of iron strip and concreted loop with this item
shoe sole + upper frag	WA312	16.10.2013		Box 1
small shoe sole + heel fragment	WA311	16.10.2013		Box 1, has crepe sole
film frags	WA297	30.10.2013	15.01.2014	2 pieces
tag/ label	WA296	30.10.2013		Box 2
sheet frag with attached label	WA302	30.10.2013		Box 5, fragment of label detached – in box with object
shell case	WA304	30.10.2013		Box 2
sheet frag with circuit diagram	WA307	30.10.2013		Box 5, clip detached during cleaning – in box with object
dial frag with image of aeroplane	WA295	30.10.2013		Box 2
leather component	WA306	17.10.2013		Box 1
compass	WA301	17.10.2013		Box 3
cylindrical cockpit frag	WA300	18.10.2013		Box 2
component	WA303	18.10.2013		Box 2, two detached fragments of wire retained separately
cockpit frag with switches	WA298	18.10.2013		Box 3, length of wire and small spring detached but left in bath, red light/ switch detached during desalination – left in bath
cockpit frag with attached wire cabling	WA299	24.10.2013		10 fragments possibly associated with this item
stud	(1516)	25.10.2013		Box 3
small cylindrical component	(1507)	25.10.2013		Box 3
shell case	WA305	25.10.2013		Box 3
pipework	WA309	25.10.2013		Box 4, thin aluminium tube attached to one end
pipework	WA308	25.10.2013		Box 4, Bakelite fragment attached
circular cover plate	WA217	31.10.2013	05.11.2013	dry
circular hatch	1520/54	31.10.2013	05.11.2013	dry, number does not correspond to list

Details:

DRY:

Circular cover plate WA217

Photo's: 1&2 after cleaning

01.11.2013: - loose material removed with a wooden point and brush.
- rinsed with 50:50 industrial methylated spirit (IMS)/ tap water
and allowed to air dry.

Circular hatch 1520/54

Photo's: 1&2 after cleaning

01.11.2013: - loose material removed with a wooden point and brush.
- rinsed with 50:50 industrial methylated spirit (IMS)/ tap water
and allowed to air dry.

Oxygen cylinder WA314

15.10.2013: - aluminium chloride pustules removed from surface with a
wooden point.
- drying commenced under ambient conditions.

29.11.2013: - water draining from small hole at end of outlet pipe, cylinder
tilted to allow drainage (will be slow).

06.12.2013: - hole in outlet pipe freed up and substantial quantity of milky
liquid released.

15.01.2014: - no further liquid being produced.

Details:

WET:

Film frags WA297

Photo's: 1&2 before cleaning

30.10.2013: - loose iron deposits removed with a soft brush.
- into tap water to check salt levels.

05.11.2013: - salt levels checked, water changed for fresh tap water.

29.11.2013: - salt levels checked, water changed for fresh tap water.

20.12.2013: - salt levels checked, water changed for fresh tap water.

15.01.2014: - desalination complete, to be permanently stored in water.

Heated clothing control WA313

Photo's: 1&2 before cleaning

3&4 after cleaning

15.10.2013: - aluminium chloride pustules and some soft concretion removed from surface with a wooden point.

- into tap water for desalination.

05.11.2013: - aluminium chloride pustules growing.

- salt levels checked, water changed for fresh tap water.

29.11.2013: - some aluminium chloride still growing (removed).

- salt levels checked, water changed for fresh tap water.

20.12.2013: - possible slight algal growth in box.

- some aluminium chloride growing (removed).

- salt levels checked, water changed for fresh tap water.

Compass WA317

Photo's: 1-4 before cleaning

5-8 after cleaning

15.10.2013: - aluminium chloride pustules and some concretion removed from surface with a wooden point and dental tool.

16.10.2013: - into tap water for desalination.

05.11.2013: - water cloudy and full of debris, some small aluminium chloride pustules developing.

- rinsed with tap water.

- salt levels checked, water changed for fresh tap water.

29.11.2013: - some aluminium chloride still growing (removed).

- salt levels checked, water changed for fresh tap water.

- some aluminium chloride still growing (removed).

- chloride levels not checked, but water changed for fresh tap water.

Shoe sole + upper frag WA312

Photo's: 1&2 before cleaning
3&4 after cleaning

16.10.2013: - soft iron corrosion and silt removed with a wooden point and soft brush.
- into tap water for desalination.

05.11.2013: - salt levels checked, water changed for fresh tap water.

29.11.2013: - salt levels checked, water changed for fresh tap water.

20.12.2013: - salt levels checked, water changed for fresh tap water.

Small crepe sole + heel frag WA311

Photo's: 1&2 before cleaning
3&4 after cleaning

16.10.2013: - soft iron corrosion and silt removed with a wooden point and soft brush.
- into tap water for desalination.

05.11.2013: - salt levels checked, water changed for fresh tap water.

29.11.2013: - salt levels checked, water changed for fresh tap water.

20.12.2013: - salt levels checked, water changed for fresh tap water.

Part of handle mechanism WA310

Photo's: 1-5 before cleaning
6-9 after cleaning

17.10.2013: - some corrosion and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.

05.11.2013: - salt levels checked, water changed for fresh tap water.

29.11.2013: - salt levels checked, water changed for fresh tap water.

20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.

Leather component WA306

Photo's: 1&2 before cleaning
3&4 after cleaning

17.10.2013: - soft iron corrosion and silt removed with a wooden point and soft brush.
- into tap water for desalination.

05.11.2013: - salt levels checked, water changed for fresh tap water.

29.11.2013: - salt levels checked, water changed for fresh tap water.

20.12.2013: - salt levels checked, water changed for fresh tap water.

Compass WA301

Photo's: 1-3 before cleaning
4-6 after cleaning

- 17.10.2013: - aluminium chloride and some concretion removed from surface with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - small quantity of aluminium chloride pustules growing.
- salt levels checked, water changed for fresh tap water.
- 29.11.2013: - some aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
- 20.12.2013: - salt levels checked, water changed for fresh tap water.

Cylindrical cockpit frag WA300

Photo's: 1-3 before cleaning
4-6 after cleaning

- 18.10.2013: - some corrosion, aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - small amount of aluminium chloride pustules growing.
- salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.

Component WA303

Photo's: 1&2 before cleaning
3&4 after cleaning

- 18.10.2013: - some corrosion, aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - salt levels checked, water changed for fresh tap water.

Cockpit frag with switches WA298

Photo's: 1-3 before cleaning
4-6 after cleaning

- 24.10.2013: - some corrosion, aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - salt levels checked, water changed for fresh tap water.

Cockpit frag with attached wire cabling WA299

- Photo's: 1-4 before cleaning
5-8 after cleaning + associated fragments
- 24.10.2013: - some corrosion, aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - some aluminium chloride in the bottom of box, but not obvious on object.
- salt levels checked, water changed for fresh tap water.
- 20.12.2013: - much aluminium chloride growing (removed).
- another piece of casing detached.
- salt levels checked, water changed for fresh tap water.

Stud (1516)

- Photo's: 1&2 before cleaning
3&4 after cleaning
- 25.10.2013: - aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - salt levels checked, water changed for fresh tap water.

Small cylindrical component (1507)

- Photo's: 1&2 before cleaning
3&4 after cleaning
- 25.10.2013: - a small amount of soft concretion and iron corrosion removed using a wooden point and soft brush.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - salt levels checked, water changed for fresh tap water.

Shell case WA305

- Photo's: 1 before cleaning
2&3 after cleaning
- 25.10.2013: - a small amount of concretion removed using a wooden point.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - salt levels checked, water changed for fresh tap water.

Pipework WA309

- Photo's: 1 before cleaning
2 after cleaning
- 25.10.2013: - some concretion removed using a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - possible slight algal growth in box.
- salt levels checked, water changed for fresh tap water.

Pipework WA308

- Photo's: 1 before cleaning
2 after cleaning
- 25.10.2013: - some concretion removed using a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - possible slight algal growth in box.
- salt levels checked, water changed for fresh tap water.

Dial frag with image of aircraft WA295

- Photo's: 1&2 before cleaning
3&4 after cleaning
- 30.10.2013: - aluminium chloride and soft concretion removed using a wooden point.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - small amount of aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
- 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.

Shell case WA304

- Photo's: 1 before cleaning
2 after cleaning
- 30.10.2013: - aluminium chloride removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - salt levels checked, water changed for fresh tap water.

Tag/ label WA296

- Photo's: 1&2 before cleaning
3&4 after cleaning
- 30.10.2013: - aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - small amount of aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
- 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.

Sheet frag with circuit diagram WA307

- Photo's: 1-3 before cleaning
4-6 after cleaning
- 30.10.2013: - aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - some aluminium chloride still growing,
29.11.2013: - some aluminium chloride still growing (removed).
- salt levels checked, water changed for fresh tap water.
- 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.

Sheet frag with attached label WA302

- Photo's: 1&2 before cleaning
3&4 after cleaning
- 30.10.2013: - aluminium chloride and soft concretion removed with a wooden point and dental tool.
- into tap water for desalination.
- 05.11.2013: - salt levels checked, water changed for fresh tap water.
- 29.11.2013: - salt levels checked, water changed for fresh tap water.
- 20.12.2013: - small amount of aluminium chloride growing (removed).
- salt levels checked, water changed for fresh tap water.

Chloride monitoring:
If tap water = 1:

Date	box 1	box 2	box 3	box 4	box 5	297	299	317	1013
05.11.2013	0.5	1.5	1	1.5	1.5	1.5	2	3	0.5
29.11.2013	0.5	1	1	1	1	1	1	1.5	1
20.12.2013	1	2	1	1	2	2	1	?	1

Note:

29.11.2013. Water taken from top of baths. Need to take from bottom next time to see if chlorides accumulating there.