



ATTACHMENT 20

AIRWORTHINESS GROUP CHAIRMAN'S FACTUAL REPORT

LAX-02-GA-201



U.S. Department
of Transportation
Federal Aviation
Administration

NORTHWEST MOUNTAIN REGION
TRANSPORT AIRPLANE DIRECTORATE
AIRCRAFT CERTIFICATION SERVICE
LOS ANGELES AIRCRAFT CERTIFICATION OFFICE
3229 EAST SPRING STREET
LONG BEACH, CALIFORNIA 90806-2425

JAN 31 1991

Hemet Valley Flying Service
Attn: Mr. Harry Chaffee
P.O. Box 1678
Hemet, California 92343

Reference: Hemet Valley letter of application dated August 11, 1989
Weight, C.G. and Speed Limitations, T.O. 1C-130A-1
Type Certification Data Sheet A31AM dated January 19, 1990
HVFS Drawing List HVFS-130-01-120 dated September 12, 1989
Airplane Flight Manual Supplement, HVFS Report FE1011
dated August 3, 1989
Conformity Inspection Record dated January 4, 1990

Dear Mr. Chaffee:

Supplemental Type Certificate SA4835NM for installation
of retardant tanks for Forest and Wildlife Conservation
in Restricted Category on C-130A Airplane
Project NM-100L-1676

We have completed our evaluation of the subject change in type design and are
enclosing your Supplemental Type Certificate SA4835NM together with the FAA
sealed Hemet Valley Master Drawing List 3190-1000 revision "NC" dated
August 24, 1989.

This certificate signifies approval of the changes and authorizes modification
of the aircraft model listed on the certificate. The certificate may be
transferred or made available to others by means such as a licensing
arrangement in accordance with FAR 21.47.

A copy of this certificate must be included with each kit you issue or each
time you make the Supplemental Type Certificate data available to other
persons who intend to make the subject alteration on other products.

If you plan to manufacture replacement or modification parts for sale in
conformance with approved data listed on the certificate, you are required to
comply with FAR 21.303 and 45.15. Application for Parts Manufacturer Approval
should be addressed to FAA, 3229 East Spring Street, Long Beach California
90806-2425, Attention: Manager, Manufacturing Inspection Branch, RM-10BL.

Sincerely,


Frederick Lee
Manager, Los Angeles Aircraft
Certification Office

Enclosure

AUGUST 24, 1989

DRAWING LIST
 C-130 TANKER
 3130-1000 REV. N/C

FAA APPROVED

JAN 17 1990

LOS ANGELES
 AIRCRAFT CERTIFICATION OFFICE
 SHEET 1 OF 3

DWG. NO.	REV.	SHTS.	DESCRIPTION
3130	-1001	N/C	GENERAL ARRANGEMENT
	-1101	N/C	MODIFICATION AIRCRAFT (REF)
	-1102	N/C	INSTL - CARGO FLOOR MOD.
	-1103	N/C	DETAIL - SKIN CUT OUT
	-1104	N/C	INSTL - SKIN DOUBLER
	-1105	N/C	INSTL - DRAIN
	-1200	N/C	INSTL - RETARDANT TANK LOWER
	-1201	N/C	INSTL - ATTACHMENTS, LOWER TANK
	-1202	N/C	ASSY - RETARDANT TANK
	-1203	N/C	ASSY - BASE, LOWER TANK
	-1204	N/C	ASSY - BAFFLES, LOWER TANK
	-1205	N/C	DETAIL - WEBS, LOWER TANK
	-1206	N/C	DETAIL - TANK END BULKHEAD SKIN 532.5 & 541.5
	-1207	N/C	DETAIL - TANK END BULKHEAD SKIN 437 AND 537
	-1208	N/C	INSTL - SIDE SKINS, LOWER TANK
	-1209	N/C	DETAIL - BATHTUB FITTING TANK INSTL.
	-1210	N/C	DETAIL - ANGLE, BULKHEAD CAP SPLICE UPPER
	-1211	N/C	DETAIL - ANGLE, BULKHEAD CAP SPLICE LOWER
	-1212	N/C	DETAIL - ACTUATOR MOUNTING PLATE
	-1213	N/C	INSTL - TORQUE SHAFT
	-1214	N/C	INSTL - ACTUATING LINKAGE DOOR
	-1215	N/C	DETAIL - BEARING
	-1216	N/C	DETAIL - SHORT SHAFT
	-1217	N/C	DETAIL - ARM, TORQUE SHAFT
	-1218	N/C	DETAIL - LINK, DOOR
	-1219	N/C	INSTL - RETARDANT LOADING SYSTEM
	-1220	N/C	INSTL - RESTRICTOR DOORS
	-1221	N/C	DETAIL - COLLAR
	-1222	N/C	DETAIL - STUD
	-1223	N/C	ASSY - RETARDANT LOADING SYSTEM
	-1224	N/C	DETAIL - RESTRICTOR LATCH AND DOORS
	-1225	N/C	DETAIL - EXTRUSIONS, LOWER TANK
	-1227	N/C	INSTL - TRANSFER VALVES
	-1228	N/C	INSTL - RESTRICTOR LATCH
	-1229	N/C	ASSY - RESTRICTOR LATCH AND DOORS
	-1230	N/C	ASSY - DOORS
	-1231	N/C	INSTL - UNLOADING VALVE
	-1232	N/C	ASSY - DOOR RIB
	-1233	N/C	DETAIL - END CASTING, DOOR
	-1234	N/C	DETAIL - EXTRUSION, DOOR
	-1235	N/C	DETAIL - SEAL DOOR
	-1236	N/C	DETAIL - CAM LIMIT SWITCH
	-1237	N/C	DETAIL - TRANSFER VALVES
	-1238	N/C	DETAIL - BUSHINGS
	-1239	N/C	INSTL - TANK DOORS
	-1240	N/C	INSTL - TANKS UPPER

AUGUST 24, 1989

DRAWING LIST
 G-130 TANKER
 3130-1000 REV. N/C

SHEET 2 OF 2

DWG. NO.	REV.	SHTS.	DESCRIPTION
3130	-1241	N/C	ASSY - UPPER TANKS
	-1243	N/C	ASSY - FRAG INTERFACE
	-1243	N/C	ASSY - BAFFLES
	-1244	N/C	ASSY - LONGITUDINAL WEBS
	-1244	N/C	ASSY - CENTER BULKHEAD
	-1245	N/C	DETAIL - END SKINS
	-1247	N/C	DETAIL - SIDE SKINS
	-1248	N/C	DETAIL - TOP SKINS
	-1248	N/C	INSTR - VACUUM RELIEF VENT SYSTEM
	-1250	N/C	INSTR - AIR EXHAUST, VENT SYSTEM
	-1251	N/C	DETAIL - EXTRUSIONS, UPPER TANK
	-1252	N/C	DETAIL - CABLE TIE-DOWN FITTINGS
	-1253	N/C	INSTR - QUANTITY INDICATING SYSTEM
	-1254	N/C	DETAIL - BATHTUB UPPER TANK
	-1255	N/C	DETAIL - DOUBLER BATHTUB FITTING
	-1256	N/C	DETAIL - GUSSET, UPPER TANK
	-1257	N/C	DETAIL - GUSSET SHIM, UPPER TANK
	-1258	N/C	DETAIL - BRACKET RESTRAINT
	-1259	N/C	ASSY - CABLE
	-1260	N/C	ASSY - HOSE SUPPORT
	-1261	N/C	INSTR - PLATE FLOOR REINFORCEMENT
	-1262	N/C	ASSY - PLATE FLOOR REINFORCEMENT
	-1263	N/C	DETAIL - PLATE FLOOR REINFORCEMENT
	-1301	N/C	INSTR - HYDRAULIC SYSTEM
	-1302	N/C	DIAGRAM - HYDRAULIC SYSTEM
	-1305	N/C	DETAIL - GUARD SWITCH, EMERGENCY DROP
	-1306	N/C	DETAIL - ACCUMULATOR MOUNTING BRACKET
	-1307	N/C	ASSY - TUBE HYDRAULIC
	-1308	N/C	ASSY - HYDRAULIC RESERVOIR
	-1309	N/C	DETAIL - FITTING WELDMENT
	-1910	N/C	ASSY - RESERVOIR MOUNT
	-1311	N/C	DETAIL - PANEL HYDRAULIC GAUGE
	-1312	N/C	ASSY - PANEL CONTROL VALVE
	-1313	N/C	DETAIL - PANEL DOOR VALVES
	-1315	N/C	DETAIL - BRACKET RESTRICTOR VALVE
	-1400	N/C	INSTR - ELECTRICAL SYSTEM
	-1401	N/C	ASSY - DROP SELECTOR PANEL
	-1402	N/C	ASSY - RELAY BOX
	-1403	N/C	DETAIL - BUSHING ADAPTER KNOB
	-1404	N/C	DETAIL - DROP SELECTOR
	-1405	N/C	DETAIL - RELAY BOX
	-1408	N/C	DETAIL - BACK PAN

MAINTENANCE
CAMERA NO. DATE

FORM 1-59 HDN. 15193 FOREIGN

AUGUST 24, 1980

DRAWING LIST
C-130 TANKER
3130-1000 REV. N/C

SHEET 3 OF 3

DWG. NO.	REV.	ENTS.	DESCRIPTION
3130-1407	N/C		ASSY - RELAY TRAY
-1408	N/C		ASSY - ANNUNCIATOR PANEL
-1409	N/C		DETAIL - ANNUNCIATOR PANEL
-1410	N/C		DETAIL - TERMINAL MARKER
-1411	N/C		DETAIL - ANNUNCIATOR BRACKET
-1412	N/C		DETAIL - SPACER TERMINAL BOX
-1413	N/C		DETAIL - TERMINAL BOX
-1414	N/C		DETAIL - WIRING HARNESS
-1415	N/C		ASSY - TERMINAL BOX
-1418	N/C		DETAIL - BRACKET DROP BUTTON
-1501	N/C		INSTR. - PLACARDS & STENCILS
-1500	N/C		LIST - REPORTS AND DOCUMENTS
-1501	N/C		REPORT - COMPONENT COMPATIBILITY
-1502	N/C		LIST - PROCESS SPECIFICATIONS
-1503	N/C		TEST - GROUND PROCEDURES
-1504	N/C		TEST - HYDRAULIC PROOF PRESSURE
-1505	N/C		LIST - MATERIAL SPECIFICATIONS
-1506	N/C		REPORT - ELECTRICAL LOAD ANALYSIS
-1507	N/C		REPORT - WEIGHT AND BALANCE
-1508	N/C		REPORT - SYSTEM OPERATIONS MANUAL
-1509	N/C		REPORT - SYSTEM MAINTENANCE MANUAL
-1510	N/C		REPORT - A.P.M. SUPPLEMENT
-1511	N/C		REPORT - FLIGHT TEST PLAN
-1512	N/C		REPORT - PART 25 COMPLIANCE

TOLERANCES UNLESS OTHERWISE NOTED	DESIGN	
FRACTIONS $\pm \frac{1}{16}$	DRAWN	
X ± 0.1	CHECK	
XX ± 0.03	STRESS	
XXX ± 0.010		
ANGLES $\pm 1'$		
MODEL - C130-A	APPROVED	
NEXT ASSY - 3130	N/A	90