

FORM 7-306-1

WEIGHT AND BALANCE REPORT

C.A.A. IDENTIFICATION NO.

N68007

Consolidated

BT13

Vultee

(AIRCRAFT MAKE AND MODEL)

MPGR'S SERIAL NO. 7704

RIGHT SCALE READING 11484 TARE 0 NET WEIGHT 11484 LBS.
LEFT SCALE READING 11443.5 TARE 0 NET WEIGHT 11443.5 LBS.
NOSE OR TAIL SCALE READING 299.0 TARE 64.5 NET WEIGHT 234.5 LBS.(1)
TOTAL NET WEIGHT 3162.0 LBS.(2)

DATUM (SEE PERTINENT SPECIFICATION) Forward face of firewallDISTANCE FROM MAIN WHEEL CENTERS TO NOSE OR TAIL WHEEL CENTER (ACTUAL) 236 INS.(3)EMPTY C.G. IN RELATION TO MAIN WHEELS = (1) 234.5 x (3) 236 = 17.50 INS.(4)
(2) 3162.0DISTANCE FORWARD (-) 14.0 OR AFT (+) 14.0 FROM DATUM TO MAIN WHEEL CENTERS (5)EMPTY C.G. IN RELATION TO DATUM (4) 17.50 + or - (5) 14.0 = 31.5 INS.ABOVE WEIGHT (2) INCLUDES: FUEL LBS. OIL LBS.NET EMPTY WEIGHT (FUEL AND OIL REMOVED) = 3162.0 LBS. COMPUTED EMPTY C.G. 31.5EMPTY WEIGHT C.G. RANGE (SEE PERTINENT SPECIFICATION) +30.6 TO +32.1

IF ACTUAL OR COMPUTED EMPTY WEIGHT C.G. IS WITHIN ABOVE RANGE, NO FORE OR AFT CHECK IS NECESSARY

LOADED C.G. LIMITS (SEE PERTINENT SPECIFICATION) +31.9 TO +41.3

CHECK OF MOST CRITICAL CONDITIONS (SEE PERTINENT SPECIFICATION FOR DATA):

	MOST FORWARD C.G.			MOST REARWARD C.G.		
	WEIGHT	ARM	MOMENT	WEIGHT	ARM	MOMENT
AIRPLANE EMPTY						
PILOT						
FUEL						
OIL						
PASSENGERS						
PASSENGERS						
BAGGAGE						
TOTALS		XXX			XXX	

CENTER OF GRAVITY

MOST CRITICAL FORWARDS:

MOST CRITICAL REARWARD:

EQUIPMENT

SEE REVERSE SIDE FOR EQUIPMENT INSTALLED WHEN ABOVE EMPTY WEIGHT AND C.G. WERE COMPUTED.