

# GROSS WEIGHT MOMENT LIMITS

## EXAMPLE

### WANTED

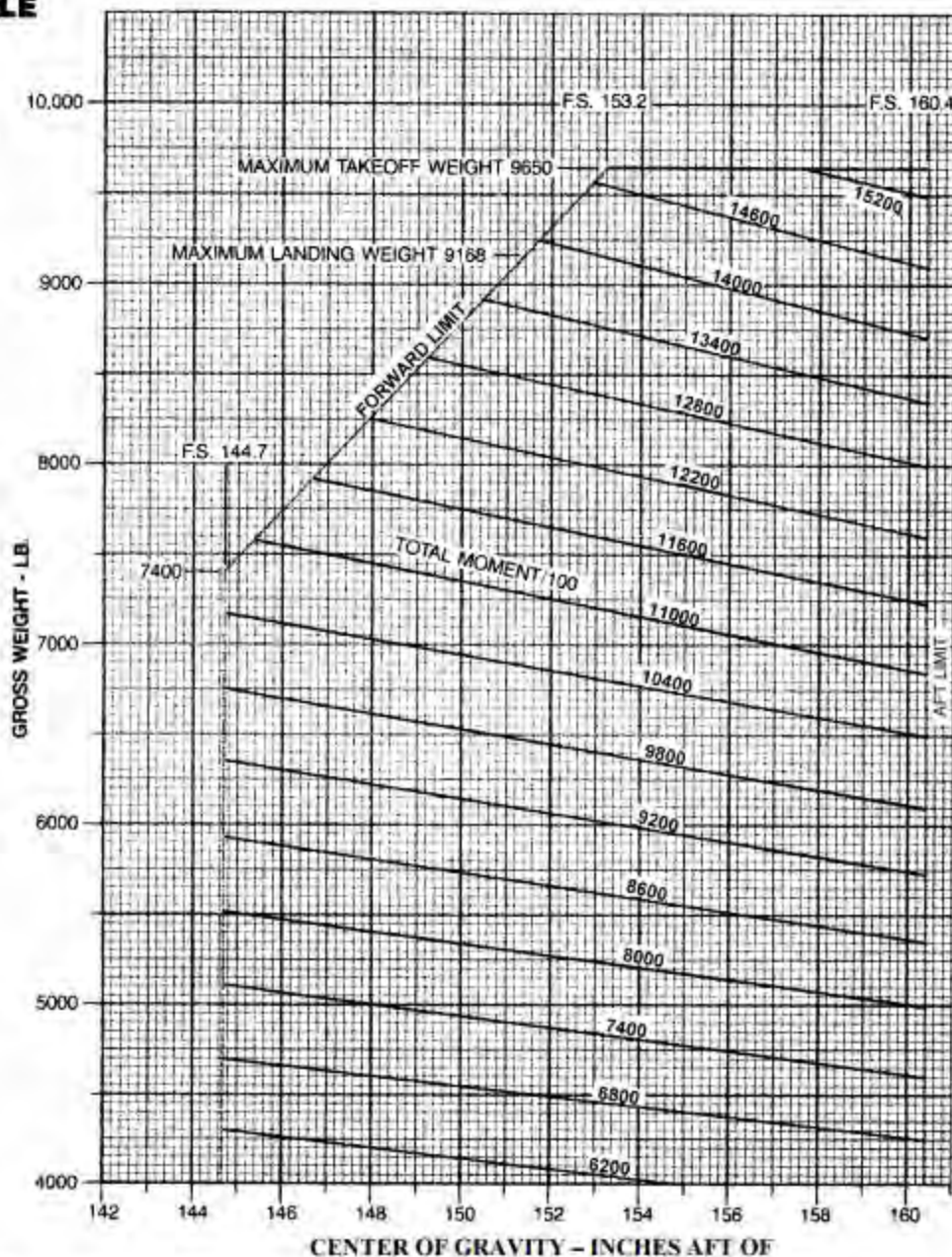
DETERMINE IF  
LOADING LIMITS  
ARE EXCEEDED

### KNOWN

GW = 9300  
MOMENT/100  
= 14790  
ARM-INCHES  
= 159.0

### METHOD

ENTER GROSS  
WEIGHT  
HERE  
MOVE RIGHT TO  
TOTAL  
MOMENT =  
14790 READ  
LOAD WITHIN  
LIMITS  
MOVE DOWN  
READ ARM  
= 159.0



ENVELOPE BASED ON THE FOLLOWING WEIGHT AND CENTER OF GRAVITY LIMIT DATA  
(LANDING GEAR DOWN)

WEIGHT CONDITION	FORWARD CG LIMIT		AFT CG LIMIT	
	ARM	MOM/100	ARM	MOM/100
9650 POUNDS (MAXIMUM TAKE-OFF)	153.2	14784	160.4	15479
9165 POUNDS (MAXIMUM LANDING)	151.4	13876	160.4	14701
7400 POUNDS OR LESS	144.7	10708	160.4	11870