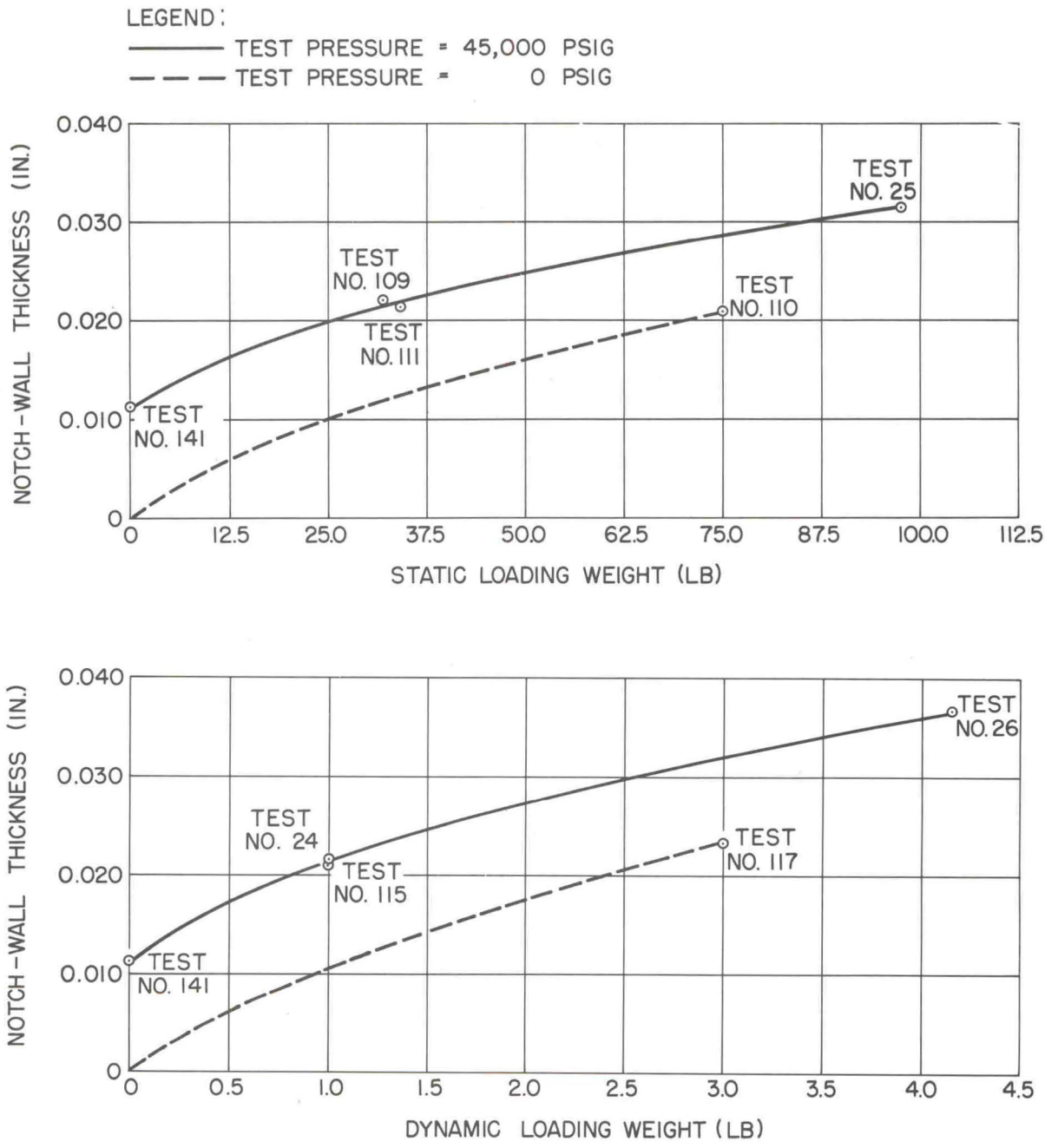
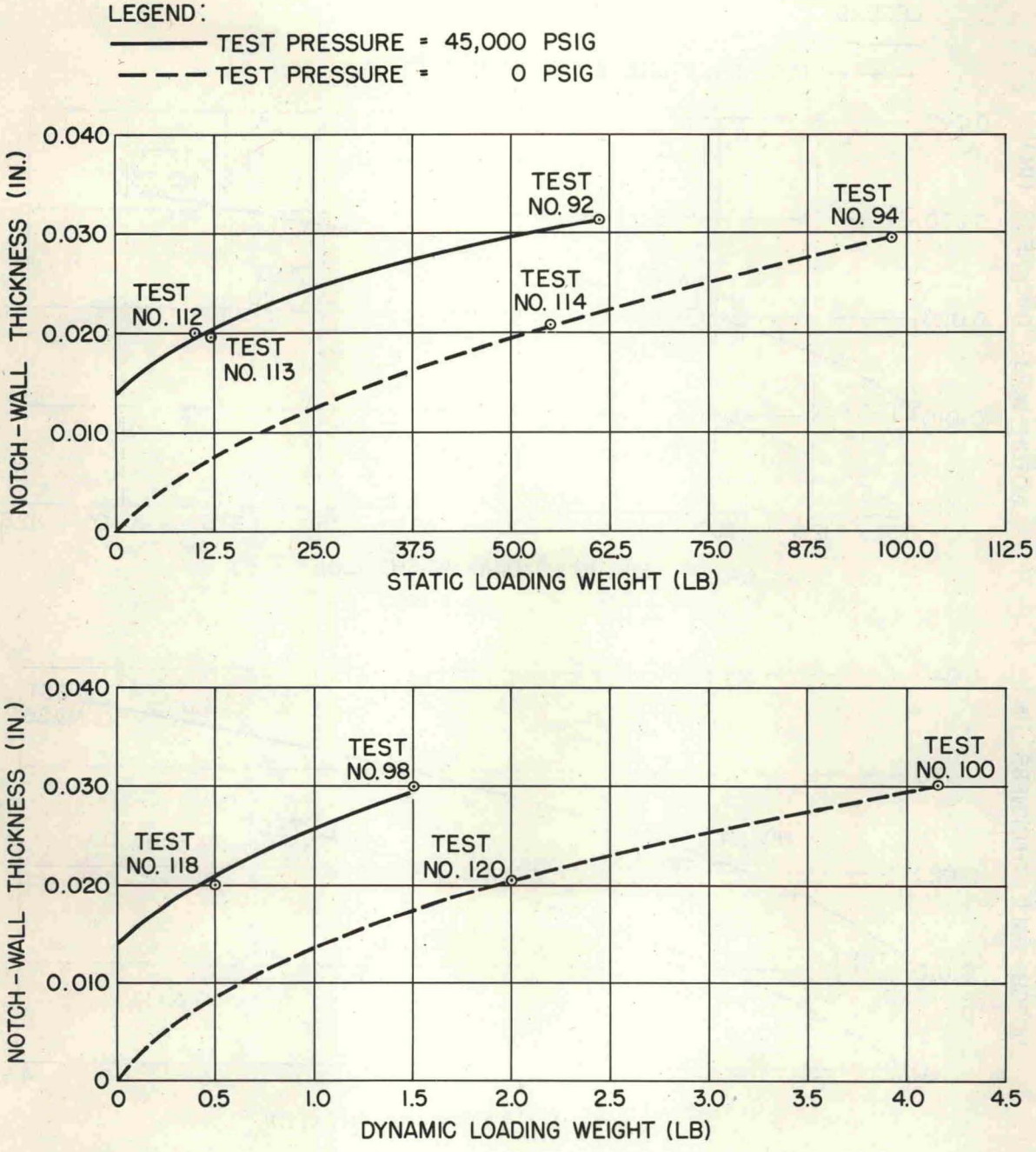


NOTES:

1. LOADING WEIGHTS APPLIED TO KNOCK-OFF TUBES AT POINT 2.00 INCHES FROM NOTCH
2. DYNAMIC LOADING WEIGHT DROPPED FROM HEIGHT OF 6 INCHES (IMPACT VELOCITY ≈ 68 IN./SEC)

FIG. 21 EFFECTS OF PRESSURE AND NOTCH-WALL THICKNESS ON FAILURE OF 9/16" O.D. (3/16" I.D.) TUBES, WITH NO CASE-HARDENING, SUBJECTED TO STATIC AND DYNAMIC LOADS



NOTES :

1 - LOADING WEIGHTS APPLIED TO KNOCK-OFF TUBES AT POINT 2.00 INCHES FROM NOTCH

2 - DYNAMIC LOADING WEIGHT DROPPED FROM HEIGHT OF 6 INCHES (IMPACT VELOCITY ≈ 68 IN./SEC)

FIG. 22 EFFECTS OF PRESSURE AND NOTCH-WALL THICKNESS ON FAILURE OF 9/16" O.D. (3/16" I.D.) TUBES, WITH 0.005 INCH CASEHARDENED DEPTH, SUBJECTED TO STATIC AND DYNAMIC LOADS