



BOOM  
MIN. RAD. = 13'-0"  
MAX. RAD. = 55'-0"

1 1/2" DIA. 6x42 MILD STEEL PIPE  
1" DIA. ROPE

5 1/2" DIA. SWIVEL HOOK

24" DIA. LIFTING MAGNET OR DOUBLE BLOCKS

TAILLINE - 5/8" DIA. ROPE

LIFTING CAPACITY 55'-0" BOOM

RADIUS	WITHOUT OUTRIGGER	WITH OUTRIGGERS
13'-0"	64100 LBS.	88100 LBS.
20'-0"	37390 LBS.	51200 LBS.
30'-0"	22700 LBS.	31200 LBS.
45'-0"	13700 LBS.	18800 LBS.
55'-0"	10500 LBS.	14500 LBS.

BUILDERS NO.	WORK SERVICE
1757	N.H. NO. N-48
1822	N.H. NO. N-48

GENERAL DATA  
BUILT BY AMERICAN HOIST & DERRICK CO.-1941  
40 TON CAPY. MODEL - 40B-CD LOCO CRANE  
POWERED WITH CATERPILLAR TYPE D-17000  
DIESEL ENGINE POWER UNIT NO. 9-  
J-5505 S.A.  
NORTHINGTON AIR COMPRESSOR SIZE 1/4"x4"  
FACTORY NO. AC-51182.  
ELECTRIC CONTROLLER & MFG. CO. SIZE G  
TYPE 3A-6S CIRCULAR LIFTING MAGNET-SERIAL  
NO. 465375 FOR 230 VOLT DC CURRENT.  
ELECTRIC CURRENT FOR MAGNET, SUPPLIED BY  
LOUIS ALLIS GENERATOR TYPE GNA FRAME 873-8  
FORM 8, 15 K.W., 1150 R.P.M., 250 VOLT, 60 AMP.,  
COMPOUND WOUND-FACTORY NO. 403317.  
RATED H.P. OF ENGINE-160 H.P. @ 850 R.P.M.  
8 CYL.-4 CYCLE ENGINE-5 7/8 BORE-8" STROKE  
GOVERNED SPEED-350 R.P.M.  
FUEL TANK CAPACITY-100 GALS.  
TRUCKS-SWIVEL-CAST STEEL SIDE FRAMES.  
CAMS ARE PROVIDED BETWEEN TRUCK & CAR BODY TO  
RELIEVE LOAD ON SPRING IN HANDLING HEAVY LOADS  
A.A.R. TYPE "C" COUPLERS WITH 6 1/2" x 8 SHANK.  
FRICTION DRAFT GEAR.  
HAND BRAKES-INSIDE HUNG ON ONE TRUCK  
HAND BRAKE LEVER LOCATED ON SIDE OF CAR  
BODY NEAR THE END.  
DRAW BAR PULL-145000 LBS. @ 2 M.P.H.-LOW GEAR  
DRAW BAR PULL-37000 LBS. @ 7 M.P.H.-2ND GEAR  
DRAW BAR PULL-16000 LBS. @ 15 M.P.H.-HIGH GEAR

SAFETY APPLIANCES IN ACCORDANCE WITH A.A.R. STD. SPEC.  
AS APPLIED TO THIS EQUIPMENT.

SHIPPING WEIGHT-APPROX. 155000 LBS.  
WORKING WEIGHT-APPROX. 206000 LBS.  
STEEL SCRAP FURNISHED BY R.R. 20200 LBS.

N. Y., N. H. & H. R. R.  
NEW HAVEN AUG. 28, 1942.

DIAGRAM  
40 TON CAPY. CRANE

CORRECT APPROVED

*S. L. Theobald*  
ASST. M. E.

24816

IN	CR	BY	WHY REISSUED	DATE	LETTER