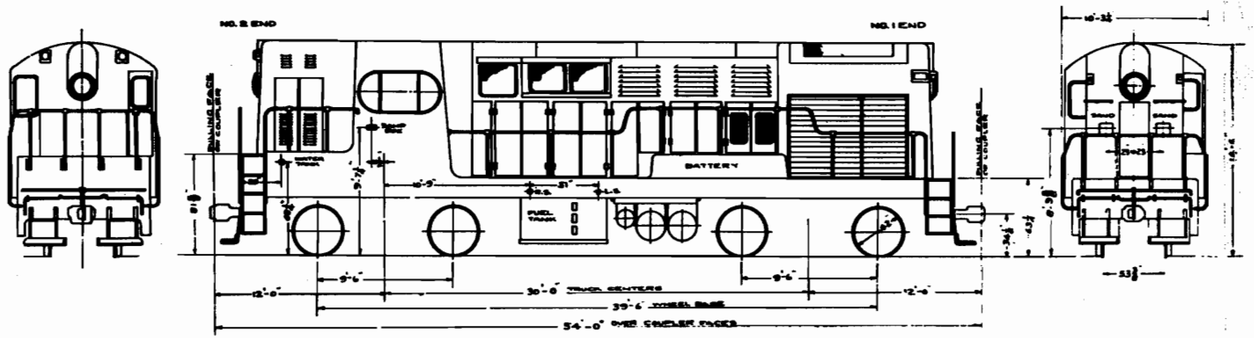
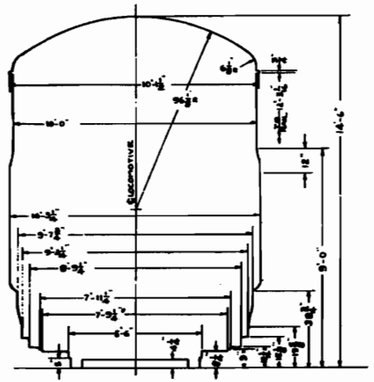


LIGHT WEIGHT.....234 000 LBS.
APPLIANCES & ACCESSORIES.....19 000 LBS.
WEIGHT - WORKING ORDER....253 000 LBS.



LOCO. NUMBERS	590-599
BUILDER & DATE	FAIRBANKS MORSE 1950
MAX. TRACT. EFFORT - 25% ADH.	63250 LBS.
CONT. TRACTIVE EFFORT	42200 LBS
SPEED AT CONT. TRACT. EFFORT	11.4 P.P.H.
MAX. DESIGN SPEED	80 M.P.H.
GEAR RATIO	17-62
MIN. CURVATURE - LOCO. ONLY	150 FT. - 39°
MIN. CURVATURE - WITH ONE CAR	250 FT. - 23°
DIESEL ENGINE - MAKE	FAIRBANKS MORSE 38D8⅛
DIESEL ENGINE - TYPE	TWO STROKE CYCLE OPP. PISTON
DIESEL ENGINE - CYLINDERS	8 - 8⅛ DIA. 10" STROKE
DIESEL ENGINE - HORSE POWER	1600 AT 850 RPM
DIESEL ENGINE - IDLE SPEED	300 RPM
FUEL CAPACITY	800 GALS.
LUBE OIL - DIESEL ENGINE	300 GALS.
COOLING WATER	160 GALS.
MAIN GENERATOR	ONE W.E. 472-A
AUX. GENERATOR	ONE W.E. YG-46-A
EXCITER	ONE W.E. YG-45-D
TRACTION MOTORS	FOUR W.E. 370 G
FAN & BLOWER GENERATOR	ONE W.E. YG-47-A
TRAC. MOTOR BLOWER MOTOR	TWO W.E. Y 61-A
FAN MOTOR	ONE W.E. Y 62-B
CONTROL	W.E. ELECTRO-PNEUMATIC 15 U
AIR BRAKE SCHEDULE	W.A.B. 6 DS
AIR COMPRESSOR	W.A.B. 3 CD
AIR COMP. CAPACITY - MAX.	260 CFM
AIR COMP. CAPACITY - IDLING	92 CFM
TRAIN AIR SIGNAL	W.A.B.
HAND BRAKE	AJAX
TRUCKS	FOUR WHEEL EQUALIZED
JOURNAL BEARINGS	TIMKEN ROLLER 7"x14" NOMINAL
FOUNDATION BRAKES	AM. BRAKE CO.
BRAKE CYLINDERS	8 - SIMPLEX 10" x 8"
SAND CAPACITY	2800 LBS.
SANDERS NO. & MAKE	8 - GRAHAM WHITE
RADIATOR FAN	
DRAFT GEAR	MINER A-22 XL
COUPLERS	AAR TYPE "E" SWIVEL BUTT
STEAM GENERATOR	ELESCO M-E 2500# / HR.
FEED WATER CAPACITY	800 GALS.
BATTERY - MAKE	EXIDE
BATTERY - TYPE	32 CELL MV-AHT-29
OPERATING CAB HEATING	KYSOR - HOT WATER
FIRE EXTINGUISHER	TWO 20# ANSUL
CAB SIGNAL	G.R.S. DUAL - DOUBLE END
SPEED INDICATOR	G.E. CO. 8 3B 15 5Y U 7
WARNING HORNS	TWO - WAB E-2
HEADLIGHTS	PYLE-NATIONAL
WINDOW WIPERS	AIR PUSH

WHEEL TREAD DIESEL ELEC. LOCOS. 590 - 599

K	REVISED AIR COMP. & BRAKE EQUIP.	2-5-52	A	
J	REVISED			
H	REVISED			

N. Y., N. H. & H. R. R.
NEW HAVEN JULY 8, 1950.

DIAGRAM
590-599

CORRECT
APPROVED
56318