

- ROLLING STOCK STANDARDS -			
SECTION	PART	REFERENCE	STANDARD
	BRAKE SHOE	CONDEMNING THICKNESS	1"
	BRAKE CYLINDER	PISTON TRAVEL AFTER BRAKE ADJUSTMENT - MINIMUM	1/2"
	" "	PISTON TRAVEL AFTER BRAKE ADJUSTMENT - MAXIMUM	3/4"
	COMPRESSOR	RATE OF PUMPING AIR FROM 0-70 LBS/ ϕ "	3 1/2 MINUTES
	" "	PRESSURE OF BRUSHES ON COMMUTATOR	4 LBS
	" "	CLEARANCE BETWEEN BRUSH HOLDER & COMMUTATOR	1/8"
	COMPRESSED AIR	RATE OF LEAKAGE IN COMPRESSOR & RESERVOIR FROM 70-60 LBS/ ϕ "	20 MIN
BRAKE	" "	RATE OF LEAKAGE IN TOTAL SYSTEM FROM 70-60 LBS/ ϕ "	20 MIN
EQUIPMENT	" "	RATE OF LEAKAGE VALVE IN LAP POSITION, CAR STATIONARY ON GRADE	5 MIN
	GOVERNOR	CUT IN PRESSURE	60 LBS/ ϕ "
	" "	CUT OUT PRESSURE	70 LBS/ ϕ "
	LEVERS & RODS	NORMALIZING PERIOD	3 YEARS
	RELAY VALVE	INSPECTION	3 MONTHS
	SAFETY VALVE	BLOW OFF PRESSURE	80 LBS/ ϕ "
	BRAKE VALVE	SELF LAPPING TYPE - SERVICE PRESSURE	55 LBS/ ϕ "
CAR BODY		MAXIMUM MILEAGE BETWEEN LIFTING	55000 MILES
	CIRCUIT BREAKER	CURRENT SETTING FOR 2 MOTOR CARS -	
	" "	MV 102 GE 203	275 AMPS
	LINE BREAKER	DISTANCE APART OF CONTACTS	5/8"
	" "	CURRENT SETTING FOR 2 MOTOR CARS -	
	" "	GE 241	300 AMPS
	" "	MV 101 BR MV 102	275 AMPS
	" "	CURRENT SETTING FOR 4 MOTOR CARS -	
ELECTRICAL	" "	MV 101A GE 247 GE 288 BTH 265	400 AMPS
EQUIPMENT	" "	GE 1220 PCC CAR	650 AMPS
	CONTROLLER	MAXIMUM WEAR OF BEARING	1/32" DIA
	" "	LIFT OF FINGERS BY SEGMENTS	1/8"
	" "	PRESSURE OF FINGERS BY SEGMENTS - 1" WIDE	8 LBS
	" "	PRESSURE OF FINGERS BY SEGMENTS - 3/4" WIDE	6 LBS
	" "	PRESSURE OF FINGERS BY SEGMENTS - 1/2" WIDE	4 LBS
	" "	PRESSURE OF FINGERS BY SEGMENTS - 1/4" WIDE	2 LBS
	LIGHTNING	GAP	1/32"
	ARRESTOR	PRESSURE OF BRUSHES ON COMMUTATOR	10 to 12 LBS
	MOTOR	CLEARANCE BETWEEN BRUSH HOLDER & COMMUTATOR	1/8"
	SPRING	TENSION	25 LBS \pm 2
	GATE	HEIGHT ABOVE RAIL LEVEL	MAXIMUM 6 3/4"
LIFEGUARD	"	ALL CARS UNDER TARE LOAD	MINIMUM 6"
GEAR	TRAY	HEIGHT UNDER FRONT BAR AND ABOVE RAIL HEIGHT	
	" "	ALL CARS UNDER TARE LOAD	MAXIMUM 7 3/4"
	" "	ALL CARS UNDER TARE LOAD	MINIMUM 7"
	POLE	NET LENGTH - BOGIE CAR	10'-6"
	"	NET LENGTH - SINGLE TRUCK CAR	12'-6"
TROLLEY	WHEEL	HEIGHT FROM RAIL LEVEL AT STOP POSITION	20'-6"
GEAR	"	PRESSURE ON TROLLEY WIRE - 18' 6" HIGH - BOGIE CAR <small>Trolley Wheel Trolley Shoe</small>	25 LBS
	"	PRESSURE ON TROLLEY WIRE - 18' 6" HIGH - SINGLE TRUCK CAR	20 LBS
	ROPE	CUTTING LENGTH - DRG R3357 (BALLARAT TRAMWAYS?)	18'-0"
	WHEEL	MINIMUM DIAMETER AND CONTOUR OF GROOVE	TO GAUGE
	AXLE	MINIMUM WORN DIAMETER OF 3 1/2" DIAMETER JOURNAL	3 1/2" DIA
	" "	MINIMUM WORN DIA OF 4"-4 1/2" DIA AXLES AT MOTOR SUSPENSION	3 3/8" DIA
	" "	CONDEMNING MILEAGE - BOGIE TRUCKS	On Limit of Wear
	" "	CONDEMNING MILEAGE - SINGLE TRUCKS	On Limit of Wear
	BEARINGS	ALLOWABLE WEAR - ARMATURE	1/32" DIA
	" "	ALLOWABLE WEAR - JOURNAL	1/16" RADIAL
	" "	ALLOWABLE WEAR - SUSPENSION	1/16" DIA
TRUCK	" "	PERIOD BETWEEN OVERHAUL OF PACKING - ARMATURE & SUSPENSION	3 MONTHS
	" "	PERIOD BETWEEN OVERHAUL OF PACKING - JOURNAL	Rewheeling period
	" "	GREASE FOR ROLLER BEARINGS - MOTOR ARMATURE	3 MONTHS
	" "	OIL FOR PLAIN BEARINGS - MOTOR ARMATURE & SUSPENSION	TO GAUGE
	GEAR & PINION	GREASE GEARSHIELD 3 ozs QUANTITIES	AS REQ'D
	TIRES	FLANGES CONDEMNING SIZE	TO GAUGE
	" "	33" WHEEL - CONDEMNING DIAMETER	30" DIA
	" "	26 1/2" WHEEL - CONDEMNING DIAMETER	23" DIA
	" "	28" WHEEL - CONDEMNING DIAMETER	26" DIA
	SOLID WHEEL	28" WHEEL - CONDEMNING DIAMETER	25"D or 3/8" thick

LEGEND

LBS/ ϕ " Pounds per square inch
DIA Diameter

MMTB Drawing # R3444C
Revised 21.03.1941

CONVERSIONS

Imperial	Metric	Imperial	Metric	Imperial	Metric
1/16"	1.6mm	23"	584 mm	2 LBS	0.91kg
1/8"	3 mm	25"	635 mm	4 LBS	1.81kg
1/4"	6 mm	26"	660 mm	6 LBS	2.77kg
1/2"	12 mm	26 1/2"	673mm	8 LBS	3.63kg
3/4"	18 mm	28"	711mm	10 LBS	4.54kg
1"	25.4mm	30"	762 mm	12 LBS	5.44kg
3 1/4"	83mm	33"	828mm	20 LBS	9.07kg
3 1/2"	89mm			25 LBS	11.34kg
4"	102mm	10'-6"	3.2 m		
4 1/2"	114mm	12'-6"	3.8 m	50000 miles	88514 kms
6"	152 mm	18' 0"	5.5 m		
6 1/2"	165 mm	20'-6"	6.25 m		
7"	178 mm				
7 1/4"	184 mm				