

LOCOMOTIVE		DATE
3613		9-22-10
Start Readings		END READING

Loco #	Flange Height	Flange Thickness	Rim Thickness	Tread	Flange Height	Flange Thickness	Rim Thickness	Tread	Notes
L#1	1 3/16"	1" + 15/8"							
L#2	1 1/8"	1" + 5/8"							
L#3	1 1/8"	1" + 2 1/4"							
L#4	1 3/32"	1" + 1 7/16"			1.10	1.08	2 3/16		grained - 1.11 - 1.08
L#5	1 1/4"	1" + 1 3/4"			0-17	0-0	2 3/16		wheel # oil
L#6	1 7/16"	0 on 7 1/2"			0-17	0-0	2.00		Motor # 49
R#1	1 1/8"	1" + 3/4"							
R#2	1 1/8"	1" + 1 5/8"							
R#3	1 1/8"	1" + 2 1/8"							
R#4	1 1/4"	1" + 1 1/2"			1.10	1.08			grind to 1.10 - 1.08
R#5	1 3/32"	0 on 4 1 5/8"			0-17	0-0	2 3/16		wheel # oil
R#6	1 7/16"	1" + 1 1/16"			0-17	0-0	2.00		Motor # 49

Defect
Defect

Feet
feet

WEAR LIMITS FOR ROAD & SWITCH LOCOMOTIVES - MINIMUM DAILY REQUIREMENTS

FRA 1 1/2"	MMA 1 7/16"	Flange Height
FRA 7/8"	MMA 15/16"	Flange Thickness
FRA 1"	MMA 1 1/16"	Rim Thickness
FRA 5/16"	MMA 1/4"	Tread Wear

WEAR LIMITS - ROAD & SWITCH LOCS - MIN 92 DAY REQ

FLANGE HEIGHT	FLANGE THICKNESS	RIM THICKNESS	TREAD WEAR
FRA 1 1/2"	FRA 7/8"	FRA 1"	FRA 5/16"
MMA 1 7/16"	MMA 1 1/32"	MMA 1 1/8"	MMA 1/4"

WEAR LIMITS - PASSENGER LOCS - MIN 92 DAY REQ

FLANGE HEIGHT	FLANGE THICKNESS	RIM THICKNESS	TREAD WEAR
FRA 1 1/2"	FRA 7/8"	FRA 1"	FRA 5/16"
MMA 1 7/16"	MMA 1"	MMA 1 1/2"	MMA 1/4"

CONVERSION CHART FOR WHEEL DIAMETER

8= 37"	15= 37 7/8"	22= 38 3/4"	29= 39 5/8"	36= 40 1/2"
9= 37 1/8"	16= 38"	23= 38 7/8"	30= 39 1/4"	37= 40 5/8"
10= 37 1/4"	17= 38 1/8"	24= 39"	31= 39 7/8"	38= 40 3/4"
11= 37 3/8"	18= 38 1/4"	25= 39 1/8"	32= 40"	39= 40 7/8"
12= 37 1/2"	19= 38 3/8"	26= 39 1/4"	33= 40 1/8"	40= 41"
13= 37 5/8"	20= 38 1/2"	27= 39 3/8"	34= 40 1/4"	41= 41 1/8"
14= 37 3/4"	21= 38 5/8"	28= 39 1/2"	35= 40 3/8"	42= 41 1/4"

LOCOMOTIVE RAIL CLEARANCE

COILER HEIGHT	FRONT	PILOT HEIGHT	FRONT	HEIGHT OF HORIZONTAL END HANDHOLD OR UNCOUPLING LEVER IF USED AS HORIZONTAL HANDHOLD	LOCO RAIL CLEARANCE
FRA 34"	33"	FRA 34"	52"	FRA 34"	FRA 34"
MMA 34"	32 1/2"	MMA 34"	3 1/2"	MMA 34"	MMA 34"

WHEEL DIAMETER MEASUREMENTS SHALL BE TAKEN ON THE 40" DIAMETER WHEELS WITHNESS GROOVE = 38"

38" DIAMETER WHEEL WITHNESS GROOVE = 38"

L4 wheel condemning R5 wheel condemning
L6 wheel condemning R6 wheel condemning

EMPLOYEES SIGNATURE: [Signature] SUPERVISOR'S SIGNATURE: [Signature]

Trim L+R #4 wheels L- 1.11 - R- 1.10 B. Cherry

MUNT 3613

WINTERIZATION	
	Signature
Winterization - All MMA Locomotives (August - April)	
Inspect front and rear cab door seals replace as needed (NO TAPE)	PWC
Inspect left and right side window seals replace as needed	PWC
Inspect Electric cabinet door seals replace as needed	PWC
Operate Cab Heaters-Check condition of Heater Assembly @ 450 F above Ambient Temperature	PWC
Operate Window Defrosters-Check condition of Defroster @ 450 F above Ambient Temperature	—
If equipped, test the Auto Dump valve for proper operation.	
Test Manual Water Dump Valves. Proper Handle Location. Orifice is Open	PWC
Close Winter/ Summer doors if equipped	KH
Check Traction Motor cover gaskets, install as needed.	
Check condition of Cab Door Hinges (Lubricate all Hinges)	PWC
Check condition of Cab Door Locks (Lubricate all Locks)	PWC
Inspect Cab Windows Slider Rail, Adjust Top Rail as needed, Lubricate with Silicone Grease.	PWC
Renew all Wiper Blades.	PWC
Criteria for Door seal Replacement: A. Seal shows signs of Deterioration and or Medium to Heavy Cracking. B. Door seal is Torn or Loose from Door. C. With Door in the fully closed position has noticeable crack between door jam and cab carbody.	OK
Criteria for Window seal Replacement: A. Seals shows signs of Deterioration and or Medium to Heavy Cracking. B. Seal is Torn or Loose from window seal. C. With windows fully in the closed position there is a gap between window frame and carbody.	OK

Manufacturer is QEI Version # S45E
Serial Number is 0204110401
Customer is MMAR

Data was removed on - 07:37:52 on 09/20/10
Last Downloaded on - 09:47:00 on 07/14/10
Battery was installed on - 11/13/04
Locomotive Number is - 3613

Downloaded by - jh
Location - derby
Train - 232
Wheel Size Entry - 40

Wheel Size used by program:
Circumference = 125.7 Diameter = 40.0
No memo present.

Wheel size used for printout is 125.66

QDP Version V

Report Date: 09-20-2010
Locomotive 3613

Data Removed on 09-20-10

SPEED (MPH)	OK
TRACTION MOTOR CURRENT	Never above 200.
BRAKE PIPE PRESSURE	OK
INDEPENDENT BRAKE	OK
END-OF-TRAIN PSI	Never above 20.
EP BRAKE REQUESTED	Never ON/ACTIVE
THROTTLE	Low Idle never reported.
REVERSE	OK
EIE	OK
PCS	Never OFF/INACTIVE
HORN	Never ON/ACTIVE
EOT MOVING	Never ON/ACTIVE
EOT MSG. JUST RX	Never ON/ACTIVE
EOT LIGHT	Never ON/ACTIVE
EP OPERATING MODE	Never ON/ACTIVE
EP PENALTY BRAKE	Never ON/ACTIVE
EP ENGINEER EMERGENCY	Never ON/ACTIVE



B-23, B-39, C-30, GP-7 MO6 INSPECTION

In-House Or Dead Mechanical

WORKED BY

SECTION 1 (ANNUAL ITEMS)

WITH ENGINE WARM, PRESSURE TEST COOLING SYSTEM AT 20 PSI AND INSPECT THE ENTIRE COOLING SYSTEM FOR LEAKS

PERFORM CRANKCASE INSPECTION WHILE BARRING THE ENGINE OVER, PAY CAREFUL ATTENTION FOR BROKEN RINGS AND/OR "JUMPING" RODS INDICATING THRUST WASHER WEAR

INSPECT PISTON COOLING TUBES (END ONLY)

INSPECT WATER MANIFOLD SADDLE STRAPS BETWEEN 4&5 AND 12&13 PA'S FOR PROPER SECUREMENT (EMD ONLY)

INSPECT AIR BOX; CLEAN AS NECESSARY

INSPECT TOP DECK COVERS, SEALS AND LATCHES. REPLACE AS NECESSARY

INSPECT ALL EXHAUST MANIFOLDS, EXPANSION JOINTS AND HEAT SHIELDS FOR DEFECTS AND SECUREMENT.

REMOVE AND CLEAN EDUCTOR TUBE AND STACK OUTLET AND REPLACE GASKETS

REMOVE AND CLEAN ENGINE OIL SEPARATOR. REPLACE GASKET (EMD ONLY)

VERIFY SOAKBACK PUMP OPERATION AT #16 OIL PAN COVER (EMD ONLY)

PULL MICHIANA TANK AND SUCTION BOX DRAIN (IF CRANKCASE AND AIRBOX PASS INSPECTION) (EMD ONLY)

INSPECT AFTERCOOLER DUCTS FOR LOOSE/MISSING BOLTS (60 FT LBS)

LUBRICATE RADIATOR SHUTTER LINKAGES AND CYLINDERS

REPLACE THE BELL VALVE

Not Equipped

INSPECT ROCKER ARMS, ROCKER ARM BUSHINGS AND CAM FOLLOWERS

SECTION 2

CHANGE / INSPECT / CLEAN:

CHANGE HVAC FILTERS IF APPLICABLE

INTAKE FILTER (ONLY AFTER HVAC IS WASHED)

CAB Filter

REPLACE "BAGGIE" AIR FILTERS AND VISUALLY INSPECT TURBO IMPELLER AND EXAMINE CHAMBER FOR DEBRIS AND CRACKS

PRIMARY, SECONDARY FUEL FILTERS & O RING SEALS

FUEL STRAINERS & O RING SEALS

FUEL BY-PASS GAUGE (INSPECT ONLY)

CHANGE SOAKBACK FILTER AND RENEW O RING SEALS

CHANGE TURBO FILTER AND RENEW O RING SEALS

NOT EQUIP?

REMOVE PRIMARY LUBE OIL FILTER BYPASS VALVE AND CLEAN

CHANGE ENGINE LUBE OIL FILTERS

RENEW MICHIANA O RING SEAL AND CLEAN MICHIANA FILTER HOUSING

CLEAN LUBE OIL STRAINERS AND STRAINER BOX, REFRESH OIL

Replaced Bell Valve, Plus.

B-23, B-39, C-30, GP-7 MO6 INSPECTION

SECTION 3

COMPLETE FRA INSPECTION	
INSPECT ALL TRAINLINE BRAKE VALVES	DRS
COMPLETE WHEEL REPORT SHEET	DRS
CHECK FOR BROKEN COIL SPRINGS & LATERAL PADS	K. Hesse
INSPECT VERTICAL AND YAW DAMPERS FOR LEAKS AND SIGNS OF BUSHING DETERIORATION.	
CHECK AND LUBRICATE COUPLER CARRIER	
INSPECT AND REPLACE BRAKE SHOES AS NECESSARY (40012998)	P. C. C.
CHECK BRAKE CYLINDER TRAVEL	P. C. C.
MAKE PIT INSPECTION OF LOCOMOTIVE UNDERCARRIAGE	DRS
INSPECT WICK BOLT SECUREMENT AND REPAIR IF NECESSARY	DRS
CHECK SUSPENSION BEARING OIL LEVEL	K. Hesse
CHECK JOURNAL BOX OIL LEVEL	K. Hesse
CHECK OIL FILLED GEAR CASES AND FILL	K. Hesse
CHECK GEAR CASES AND INSPECT BULL GEAR (ADD 3lbs. OF GEARCASE GREASE see defect sheet	K. Hesse
SUSPENSION BEARING BOXES	DRS
TRACTION MOTOR AIR DUCTS	DRS
NOSEPADS, BINDERS, PEDESTAL JAWS AND LINERS, ROLLER BEARING BOXES AND BOLTS	DRS
INITIAL BY APPROPRIATE TYPE (SWITCHER: 6 In ROAD: 8 In	DRS
ELLIPTIC SPRINGS, HANGERS AND SAFETY STRAPS, BOLSTER WEAR PLATES, BOLSTER SUPPORT PADS AND TIE PADS	DRS
INSPECT ALL BRAKE HANGERS, HEADS, GUIDES AND STRAPS INSURING BRAKE SHOES ARE IN LINE WITH WHEELS	P. C. C.
INSPECT SIDE BEARINGS AND REPAIR AS NEEDED	DRS
CHECK KNUCKLE CLEARANCE AND KNUCKLE THROWER, MAKE REPAIRS AS NEEDED AND APPLY SPARE KNUCKLES (E AND F TYPE)	P. C. C.
INSPECT, TEST, LUBRICATE HAND BRAKE, NOTE SERVICE DATE ON BLUE CARD	P. C. C.

SECTION 4

IN ACCORDANCE WITH FRA 229.23. VERIFY AIR GAUGES (+/- 3PSI) CALIBRATE AT +/- 1PSI, REQUIRES 130 PSI MR	P. C. C.
CHECK ALL FLUID LEVELS, ENGINE OIL, COOLING WATER, AIR COMPRESSOR OIL	P. C. C.
DRAIN RETENTION TANK	P. C. C.
TOILET MAINTENANCE:	P. C. C.
A. INSPECT/REPAIR AS NEEDED TOILET DRAIN VALVE & FLOOR SEALS	P. C. C.
Cab Seat Inspection:	
A. INSPECT THE VERTICAL ADJUSTMENT LEVER. VERIFY THAT THE LEVER OPERATES AND THAT THE SEAT PAN ADJUSTS UP AND DOWN AND DOES NOT DROP SUDDENLY.	P. C. C.
B. LUBRICATE PIVOT POINTS	
C. INSPECT ROTATION ADJUSTMENT LOCKING PIN. VERIFY THAT THE LOCKING PIN OPERATES (PULL OUT TO RELEASE LOCK) AND THAT THE SEAT ROTATES WHEN UNLOCKED.	P. C. C.
D. LUBRICATE THE PIN MECHANISM.	
E. SEAT PAN COMPONENTS: INSPECT THE FORE-AFT FINE ADJUSTMENT LEVER.	P. C. C.
F. VERIFY THAT THE LEVER SLIDES SIDEWAYS TO UNLOCK SEAT FOR/AFT ADJUSTMENT AND SEAT SLIDES FOR/AFT EASILY	P. C. C.
G. IF THE SEAT MOVEMENT IS IMPEDED, REMOVE SEAT CUSHION AND INSPECT SEAT PAN ROLLER TRACK FOR DEBRIS, MALFUNCTION, OR LACK OF LUBRICATION.	" "
H. INSPECT SEAT RAILS AND REPLACE IF DAMAGED OR WORN BEYOND PROVIDING SECURE, STABLE MOUNTING OF SEAT.	" "
I. INSPECT THE FORE/AFT SEAT POSITIONING TRACK. INSPECT THE SEAT RAILS AND REPLACE IF DAMAGED OR WORN BEYOND PROVIDING SECURE, STABLE MOUNTING OF SEAT.	" "
J. LUBRICATE THE SEAT RAILS WITH SILICONE LUBRICANT.	" "
K. INSPECT THE BACKREST RAKE ADJUSTMENT KNOB. VERIFY THAT THE KNOB ROTATES EASILY TO ADJUST BACKREST ANGLE.	" "
L. INSPECT KNOB FOR CRACKS OR SPLITS AND THAT IT IS SECURELY FASTENED.	" "
M. INSPECT GEAR MECHANISM FOR ANY WEAR OR DAMAGE.	" "
N. ENSURE THAT THE BACKREST MECHANICAL STOP IS INTACT AND FUNCTIONS AS INTENDED-- PREVENTS THE SEAT BACKREST FROM RECLINING BEYOND APPROXIMATELY 45 DEGREES BACKWARDS FROM A VERTICAL POSITION.	" "
O: INSPECT THE LUMBAR SUPPORT ADJUSTMENT LEVER. VERIFY THAT THE ADJUSTMENT LEVER OPERATES EASILY TO ADJUST THE LUMBAR SUPPORT.	" "

MOBILE

B-23, B-39, C-30, GP-7 MO6 INSPECTION

P: VERIFY ALL ARMREST FASTENERS ARE SECURE. REPLACE ANY MISSING OR STRIPPED OUT FASTENERS.	<i>P. Cooper</i>
Q: INSPECT ARMREST SWIVEL FASTENERS. ENSURE SWIVEL FASTENER IS SECURE ON EACH ARMREST SUCH THAT THE ARMREST IS WITHOUT SIDE TO SIDE MOVEMENT. ARMREST SHOULD SWIVEL TO VERTICAL. ARMREST SHOULD NOT DROP DOWN PAST IT'S ORIGINAL STOP.	<i>P. Cooper</i>
R: INSPECT SEAT FABRIC ON SEAT PAN AND BACKREST. INSPECT FOR RIPS, TEARS, OR HOLES. SEAT PAN OR BACKREST COMPONENT MAY BE REPLACED IF THERE IS AN EXCESSIVE RIP, TEAR, OR HOLE.	<i>P. Cooper</i>
SEAT PART NUMBERS: Cab Seat, Freight with arms: 2043511 Cab Seat Mid Back: 20425731 Wall Mounted Pedestal: 20435541 Trunion Pedestal Assembly: 20425721 Seat Pedestal Rail Left Side 65": 20422211	_____
INSPECT AND REPAIR AS REQUIRED:	_____
A. CAB / CARBODY/DOORS/HINGES/WINDOWS/LATCH SEALS/WEATHER STRIPPING AND SEALS/MIRRORS. ALSO LUBRICATE AS NEEDED	<i>P. Cooper</i>
A. CLEAN THE CAB, WINDOWS, AND EQUIPMENT	<i>P. Cooper</i>
COMPLETE WINTERIZATION SHEET (AUGUST - APRIL)	<i>P. Cooper</i>
WASH LOCOMOTIVE ENGINE/ENGINE ROOM/AND AIR COMPRESSOR ROOM	<i>P. Cooper</i>
WASH THE LOCOMOTIVE	_____

** P. - Cond Side Arm Rest Missing -*

JSP-010 (BATTERY MAINTENANCE AND QUALIFICATION)

JOB SPECIFIC PROCESS

Locomotive Type: ALL MODELS

Valid for Road Numbers: (All Models)

Overview: This job process sheet will assist with the maintenance and qualification of batteries.

SPECIAL TOOLS OR EQUIPMENT:

SEQUENCE OF JOB STEPS

Please print your name,
NO signatures

1. Ensure the locomotive is shutdown, discharged, all of the circuit breakers are open and the battery knife switch is open.

J. Hart

Battery Qualification/Maintenance

2. **NOTE: If batteries are dead, connect the charger until the charge rate falls below 10 amps to determine state of charge. Readings under 20 V are suspect for units with just 2 batteries.**

N/A

3. Insert hose stem into battery cell and squeeze bulb.

J. Hart

4. Release pressure until enough acid solution is drawn into the tube allowing the float to float freely. Be sure float does not touch rubber stopper at the top of the tube.

J. Hart

5. The float reading at the water line is the uncorrected charge level of the battery.

J. Hart

6. Read and record the specific gravity of all 16 pilot cells. "record readings below": acceptable range is 1.225 – 1.300 (if out of this range notify tech support)

Note 1: the sheet below is set up for 2 or 8 batteries as some units have 8 batteries.

Note 2: accurate readings cannot be obtained if water has recently been added to cells. Differences of 50 points or more between readings in battery cells may indicate pending battery failure.

J. Hart

7. Based on the above specific gravity readings, do any batteries need replaced? Remember, if the unit came in with already dead batteries, an attempt to charge the batteries must be made before taking the specific gravity readings.

no

J. Hart

8. Return acid to cell from which it was drawn.

J. Hart

9. Be sure all vent plugs are replaced and tight.

J. Hart

10. With Unit shut down measure the voltage reading across each battery at the terminals, record readings on the chart below.

J. Hart

11. Make a general check of the battery as to proper blocking, clean and tight connections at all points, and any unusual appearance or condition. If any unusual appearance or conditions exist, like corrosion, clean with scotch-brite buffer or wire br

J. Hart

12. Apply approved protective coating to connections after terminals are cleaned and dried

J. Hart

13. Add water as required (Add water to bottom of filler neck).

J. Hart

Battery Cranking Voltage Test

14. Close battery knife switch, and circuit breakers.

15. Open the injector toggle switch, on EUI units to prevent unit from starting.

NOTE: Battery cranking voltage readings do not need to be taken on Air Start Locomotives.

16. On MUI engines, pull the Governor button and hold back the Lay-shaft while cranking the engine over to prevent unit from starting.

18. Based on the cranking voltages, is any battery suspect of needing replaced? YES NO

2 Battery Units	Specific Gravity				Water Added			Battery Replaced-Reason
	Cell 1	Cell 2	Cell 3	Cell 4	Yes	No	Yes	
Battery 1								o
Section A	1250	1250	1250	1250		✓		X
Section B	1250	1250	1250	1250		✓		
Section C	1250	1250	1275	1260		✓		
Section D	1250	1250	1250	1275		✓		

2 Battery Units	Specific Gravity				Water Added			Battery Replaced-Reason
	Cell 1	Cell 2	Cell 3	Cell 4	Yes	No	Yes	
Battery 2								o
Section A	1260	1275	1260	1260		✓		X
Section B	1260	1250	1275	1260		✓		
Section C	1250	1260	1260	1260		✓		
Section D	1260	1275	1260	1260		✓		

8 Battery Units	Specific Gravity				Water Added			Battery Replaced-Reason
	Cell 1	Cell 2	Cell 3	Cell 4	Yes	No	Yes	
Battery 1								X
Battery 2								
Battery 3								
Battery 4								
Battery 5								
Battery 6								
Battery 7								
Battery 8								

BATTERY CRANKING VOLTAGE CHART

	Battery 1	Battery 2	Battery 3	Battery 4	Battery 5	Battery 6	Battery 7	Battery 8
Battery Voltage	33.1	33.3						
Battery Voltage								

	Battery 1	Battery 2	Battery 3	Battery 4	Battery 5	Battery 6	Battery 7	Battery 8
Cranking Battery Voltage								
Battery Voltage								

	Battery 1	Battery 2	Battery 3	Battery 4	Battery 5	Battery 6	Battery 7	Battery 8
Cranking Battery Voltage								

OUT-BOUND

4-29-10

363

Service Operations

THROTTLE & OUTBOUND LOAD TESTS

Temp	(100)	1050	Temp	80
Pressure	(100)	2870	Temp	170
Temp	(100)	6.77	Temp	1080
Temp	(100)		Temp	20.5

THROTTLE #1 STALL TEST

OP Mode	(PWR)	Notch 2 F	NOT APPLICABLE TO B-23 AND C-30
AMPS	(300)	300	
MGA	(1220)		
Charging Rate	(70v)	73.9	

TL 24T

Throttle 1	(1V)	5.4
Throttle 2		15.7
Throttle 3		28.4
Throttle 4		36.8
Throttle 5		53.5
Throttle 6		62.4
Throttle 7		66.3
Throttle 8	(72V)	70.0

Service Operations

THROTTLE & INBOUND LOAD TESTS

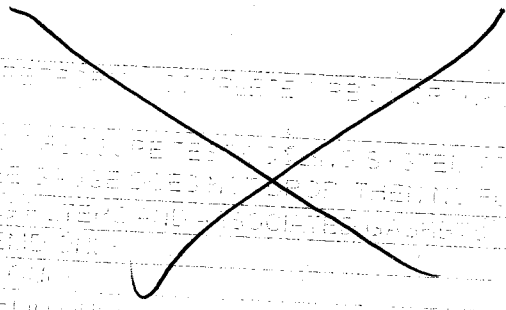
Engine Speed (RPM)	<u>2746</u>	Engine Temperature (°C)	<u>90</u>
Oil Pressure (PSI)	<u>6.5</u>	Oil Temperature (°C)	<u>180</u>
Oil Level (Inch)		Oil Level (Inch)	<u>19.5</u>

THROTTLE #1 STALL TEST

Oil Mode	(PWR)	<u>Notch 1 F</u>	NOT APPLICABLE TO B-23 AND C-30
ALPS	(300)	<u>300</u>	
ALGA	(1220)	<u>74</u>	
Charging Rate	(70v)		

TL 24T

Throttle 1	(1V)	<u>5.4</u>
Throttle 2		<u>15.7</u>
Throttle 3		<u>28.3</u>
Throttle 4		<u>37</u>
Throttle 5		<u>49.5</u>
Throttle 6		<u>61.3</u>
Throttle 7		<u>65.6</u>
Throttle 8	(72V)	<u>70</u>



BEFORE THE ENGINE IS STARTED...
CHECK THE ENGINE OIL...
CHECK THE PRESSURE...
CHECK THE FUEL...
CHECK THE FUEL FILTER...
CHECK THE AIR FILTER...
COMPLETE FRA INSPECTION (DAILY INSPECTION CHECKLIST)

CARBODY

INSURE SAND NOZZLES AND HOSES ARE IN PLACE AND SECURED. MAKE SURE THEY ARE
ALIGNED WITH WHEEL AND TRACK. INSPECT SAND TRAPS AND REPAIR AS NEEDED.
INSPECT COUPLERS & DRAFT GEARS. MAKE REPAIRS AS NECESSARY.
CHECK KNUCKLE CLEARANCE AND KNUCKLE THROWER. MAKE REPAIRS AS NEEDED AND
APPLY SPARE KNUCKLES (E AND F TYPE) (2.5")
INSPECT PIN LIFTERS CHECKING FOR PROPER HAND CLEARANCE AND ANTI-CREEP
CHECK SNOWPLOW (IF EQUIPPED) FOR HANDHOLDS AND PROPER DISTANCE
CHECK AUTO BLOWDOWNS FOR PROPER OPERATIONS IN AUTOMATIC MODE
ENSURE SUMP DRAINS ARE OPEN AND FREE OF DEBRIS

P. Colby
Hussey LDRS
P. Colby
P. Colby
P. Colby
P. Colby

TRUCKS

INSPECT WICK BOLT SECUREMENT AND REPAIR IF NECESSARY
CHECK SUSPENSION BEARING OIL LEVEL
CHECK JOURNAL BOX OIL LEVEL (FILL TO POINT OF OVERFLOW)
CHECK GEAR CASES AND INSPECT BULL GEAR (ADD 6lbs. OF GEARCASE GREASE) *See defect sheet*
CHECK OIL FILLED GEAR CASES AND FILL (RECORD USAGE BELOW)
1 TRACTION MOTOR: OIL USED *Top off with 100LB oil*
2 TRACTION MOTOR: OIL USED *"*
3 TRACTION MOTOR: OIL USED *"*
4 TRACTION MOTOR: OIL USED *"*
5 TRACTION MOTOR: OIL USED *wheels coming out*
6 TRACTION MOTOR: OIL USED *wheels coming out*
INSPECT ALL BRAKE HANGERS, HEADS, GUIDES AND STRAPS ENSURING BRAKE SHOES ARE IN
LINE WITH WHEELS

DRS # Defect
Ky Hasey
Ky Hasey
Ky Hasey
Ky Hasey
Ky Hasey
Ky Hasey
Ky Hasey
see defect sheet
"

CAB

CHECK FIRE EXTINGUISHERS DATE AND TAG. REPLACE IF USED OR OUT OF DATE
CHECK CAB SEATS FOR PROPER OPERATION INSURING ALL BOLTS ARE IN PLACE AND TIGHT
CHECK HANDBRAKE AND INSPECT DATE. MAKE REPAIRS AS NECESSARY

DRS

MISC

IN ACCORDANCE WITH FR 7 25 (3) VERIFY AIR GAUGES (CHECK POINT) (CALIBRATE AT 100 PSI)
REQUIRES 100 PSI MP
CHECK ALL FLUID LEVELS (FRESH WATER, SEAWATER, ANTIFREEZE)
DRAIN PETROL TANK
TOILET MAINTENANCE
INSPECT/REPAIR AS NEEDED TOILET DRAIN VALVE & FLOOR CEILING
INSPECT CAB SEATS, REPAIR OIL LUBRICATE AS REQUIRED
INSPECT AND REPAIR AS REQUIRED
CHECK PROPER OPERATION WINDOW LATCH SEAT BELT AND FOOT RESTRAINTS
WASH HANDS
CLEAN THE CAB WITH OIL EQUIPMENT
COMPLETE WINTERIZATION (SEPTEMBER-FEBRUARY)
WASH PETROL TANK (WINTERIZATION PERFORMED ALL YEAR)

P. Colby
P. Colby
P. Colby
P. Colby
P. Colby
P. Colby

B-23, B-39, C-30, GP-7 MO3 INSPECTION

Page 2, Top S.M.

ELECTRICAL IN HOUSE

	WORKED BY
SERVICE THE BATTERIES	J. Martin
VERIFY EVENT RECORDER IS WORKING	J. Martin
CHECK & RECORD THE DATE ON HEAD END DEVICE	8-19-10
CLOSELY INSPECT THE HEAD END DEVICE CONNECTOR. ENSURE IT IS TIGHTLY	J. Martin
CONNECTED AND NOT CROSS THREADED	J. Martin
CHECK THE FOLLOWING EQUIPMENT AND THEIR RELATED GUARDS AND LENSES FOR	J. Martin
PROPER OPERATION:	
CHECK ALL GROUND AND STEP LIGHTS, FRONT AND REAR HEADLIGHTS, DITCH LIGHTS,	P. Lopez
CAB LIGHTS, GAUGE LIGHTS, NUMBER PLATES, PLATFORM LIGHTS, ALL WARNING AND	
INDICATOR LIGHTS	
TRACTION MOTORS AND UNDERFRAME	
CHECK THE TRACTION MOTOR LEADS, VERIFY NO LEADS ARE RUBBING ON THE FRAME	DR Savage
INSPECT TRACTION MOTOR COVERS AND ENSURE BOLTS ARE IN PLACE AND TIGHT	DMS See Defects
CHECK M.U. RECEPTACLE PINS AND LIDS. MAKE NECESSARY REPAIRS	P. Lopez
MAKE SURE M.U. CABLES DO NOT FOUL COUPLERS	

B-23, B-39, C-30, GP-7 MO3 INSPECTION

In-Bound Loadtest Electrical/Mechanical

WORKED BY:

ELECTRICAL

- VERIFY THE OPERATION OF THE GROUND RELAY
- CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)
- WHILE IN THROTTLE 3 LOAD TEST, CHECK FOR AC GROUNDS
- CHECK OPERATION OF
 - A. HEATING
- COMPLETE THE OUTBOUND LOAD TEST SHEETS
- GROUND RELAY - TEST THREE TIMES TO VERIFY LOCK-OUT (DYNAMIC & POWER)
- IF EQUIPPED, VERIFY THE OPERATION OF THE LDVR CAMERA

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MECHANICAL

- PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.
- INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS
- INSPECT COOLING SYSTEM
 - A. CHECK HOSES AND PIPES FOR LEAKS
- CHECK OPERATION OF ENGINE PROTECTION DEVICES:
 - A. CRANKCASE PRESSURE
- VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS
- PERFORM MANUAL AIR BRAKE TEST
 - Verify Flow Gauge
 - 130 main reservoir is 64 + or - 3,
 - reservoir is 60 + 0
- PERFORM PENALTY BRAKE TEST
- CHECK FOR CORRECT AIR PRESSURE SETTINGS:
 - A. MAIN RESERVOIR (130 - 140 PSI)
 - B. BRAKE PIPE (90 PSI) *Low*
 - C. EQUALIZING RESERVOIR (90 PSI)
 - D. BRAKE CYLINDER (72 - 74 PSI)
 - E. COMPRESSOR CONTROL (130 - 140 PSI +/- 5 PSI)
- CHECK FLUID LEVELS BEFORE LOADING:
 - A. ENGINE OIL
 - B. COOLING WATER
 - C. AIR COMPRESSOR OIL
- TEST OPERATION OF THE FOLLOWING DEVICES:
 - A. BELL
 - B. SANDERS (FORWARD, REVERSE, EMERGENCY)
 - C. RADIATOR SHUTTERS

NOTE: 120-130-140 main

NE
 J. Black
 J. Black
 J. Black
 J. Black
 J. Black
 J. Black
 P. Cup
 J. Hart
 P. Cup
 P. Cup
 P. Cup
 J. Black
 J. Black
 J. Black
 J. Black
 P. Cup
 not equipped

ADDED 3" lube oil
 ADDED 3" WATER H.C. / PC