



Locomotive Release from Shop Form
To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 5023 on this date 3-29-11 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

DAMAGE TO ~~the~~ TRACTION MOTORS
←

Report Date: 03-29-2011
Locomotive 5023

Data Removed on 03-29-11

SPEED (MPH)	OK
TRACTION MOTOR CURRENT	OK
BRAKE PIPE PRESSURE	OK
INDEPENDENT BRAKE	OK
END-OF-TRAIN PSI	Never above 20.
EP BRAKE REQUESTED	Never ON/ACTIVE
THROTTLE	Stop never reported. Low Idle never reported.
REVERSE	OK
EIE	OK
PCS	OK
HORN	OK
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



Quantum Desktop Playback

Manufacturer is QEI Version # S45E
Serial Number is 0204100369
Customer is MMAR

Data was removed on - 10:35:08 on 03/29/11
Last Downloaded on - 14:02:00 on 03/16/11
Battery was installed on - 10/14/04
Locomotive Number is - 5023

Downloaded by - jh
Location - derby
Train - 234
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



UNIT _____

DATE _____

Service Operations

THROTTLE 8 INBOUND LOAD TESTS

Eng RPM (900)	EMD	_____	Lube Oil Pres	_____
Eng RPM (1050)	GE	_____	Water Temp	_____
Horsepower		_____	Overspeed Setting	_____
Volts (5.3)	B-23	_____	RACK SETTING	_____
Volts (7)	C-30	_____		
Volts (720)	B-39	_____		

THROTTLE #1 STALL TEST

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

TL 24T

Throttle 1	(1V)	_____
Throttle 2		_____
Throttle 3		_____
Throttle 4		_____
Throttle 5		_____
Throttle 6		_____
Throttle 7		_____
Throttle 8	(72V)	_____



B-23, B-39, C-30, GP-7 UNSCHEDULED

UNIT:

ITEM	MECHANICAL <i>- Running Mechanical</i>	WORKED BY:
	INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):	
	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	
	VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS	
	TEST AIR BRAKE EQUIPMENT PER RULE 212	
	PERFORM PENALTY BRAKE TEST	
	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	
	INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI	
	INSPECT SAFETY POP. 155 PSI	



UNIT _____

Service Operations

DATE _____

THROTTLE 8 OUTBOUND LOAD TESTS

Eng RPM (900)	EMD	_____	Lube Oil Pres	_____
Eng RPM (1050)	GE	_____	Water Temp	_____
Horsepower		_____	Overspeed Setting	_____
Volts (5.3)	B-23	_____	RACK SETTING	_____
Volts (7)	C-30	_____		
Volts (720)	B-39	_____		

THROTTLE #1 STALL TEST

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

TL 24T

Throttle 1	(1V)	_____
Throttle 2		_____
Throttle 3		_____
Throttle 4		_____
Throttle 5		_____
Throttle 6		_____
Throttle 7		_____
Throttle 8	(72V)	_____

C.C.P.'s Check Base For Pressure on out Board

Unit: 5023

Date: 3-29-11

DEFECTS FOUND DURING INSPECTION

DEFECT # <u>3 TRACTION MOTOR HIT HARD</u> <u>CASE BENT IN AT BRUSH FUSE COVER</u>	INSPECTED BY: <u>J Black</u>
REPAIR <u>MOTOR COMMING OUT</u> <u>REPLACED MOTOR / wheel Combo</u>	CORRECTED BY: <u>J Black</u>

DEFECT <u>#3 TRACTION MOTOR</u> <u>(F) FEED BURNED OFF</u> <u>RE</u>	INSPECTED BY: <u>J Black</u>
REPAIR <u>MOTOR COMMING OUT</u> <u>REPLACED MOTOR / wheel Combo</u>	CORRECTED BY: <u>J Black</u>

DEFECT <u>#4 TRACTION MOTOR</u> <u>Bottom Cover BENT / RIPPED OPEN</u>	INSPECTED BY: <u>J Black</u>
REPAIR <u>REPLACED Bottom Cover</u>	CORRECTED BY: <u>J HARTIN</u>

DEFECT <u>#4 T.M. GEAR CASE</u> <u>Spring Cover DAMAGED</u> <u>CASE BENT</u>	INSPECTED BY: <u>J Black</u>
REPAIR <u>REPAIRED CASE INSTALLED NEW Cover</u>	CORRECTED BY: <u>D. Black</u>

DEFECT <u>#5 TRACTION MOTOR</u> <u>Bottom gear CASE Bolt BROKEN</u>	INSPECTED BY: <u>J Black</u>
REPAIR <u>REPLACED Bottom gear CASE</u> <u>Bolt</u>	CORRECTED BY: <u>D. Black</u>

Unit: 5023

Date: 3-29-11

DEFECTS FOUND DURING INSPECTION

DEFECT XXXXXXXXXX	INSPECTED BY:
REPAIR	CORRECTED BY:

DEFECT <u>Plow Damage LEFT front</u>	INSPECTED BY: <u>J Black</u>
REPAIR <u>Repaired</u>	CORRECTED BY: <u>JH ORS</u>

DEFECT	INSPECTED BY:
REPAIR	CORRECTED BY:

DEFECT	INSPECTED BY:
REPAIR	CORRECTED BY:

DEFECT	INSPECTED BY:
REPAIR	CORRECTED BY:

UNIT#	DATE	DESCRIPTION	PART #	QUANTITY	INSTALLED	AWP