

Deerfield and Roundabout Railway

Engine No. 326 Lubrication Chart

Unless specified otherwise use cylinder oil for all points.

April 12, 2011

Rt. = Right side of engine. Lt. = Left side of engine.

CAB AND THROTTLE GROUP

Smoke box throttle shaft
Smoke box throttle crank arm bushings
Cab throttle quadrant bushings
Reverse lever latch mechanism
Reverse lever quadrant and reach rod bushings
Cab brake operating lever bushing
Cab brake steam supply valve stem
Fire door gears two pivot bolts
Blower valve stem
Whistle valve stem
Water glass blow down valve stem
Boiler water fill valve stem
Drain cock operating valve stem
Axle pump bypass valve stem
Rt. injector steam valve stem
Rt. injector water valve stem
Rt. injector emergency stop valve stem

VALVE GEAR GROUP

Rt. valve stem
Rt. valve stem cross head guides
Rt. combination lever top and middle bushings
Rt. link and link block
Rt. link two trunnion bearings
Rt. link eccentric rod bushing
Rt. radius rod slide block and bushings
Rt. reverse shaft bushing
Rt. reverse crank arm top bushing
Rt. power reverse reach rod
Lt. valve stem
Lt. valve stem cross head guides
Lt. combination lever top and middle bushings
Lt. link and link block
Lt. link two trunnion bearings
Lt. link eccentric rod bushing
Lt. radius rod slide block and bushings
Lt. reverse shaft bushing
Cylinder oil pump mechanism

CROSS HEAD GROUP

Rt. main rod wrist pin grease fitting
Rt. piston rod
Rt. cross head top guide bar
Rt. cross head bottom guide bar
Rt. cross head union link bushing
Rt. combination lever bottom bushings
Rt. cylinder drain cock operating mechanism
Lt. main rod wrist pin grease fitting
Lt. piston rod
Lt. cross head top guide bar
Lt. cross head bottom guide bar
Lt. cross head union link bushing
Lt. combination lever bottom bushings
Lt. cylinder drain cock operating mechanism

SHUT DOWN GROUP

Rt. front valve inspection port
Rt. rear valve inspection port
Lt. front valve inspection port
Lt. rear valve inspection port
Cylinder oil pump reservoir



TENDER TRUCK GROUP

For both trucks
Rt. front axle bearing
Rt. middle axle bearing
Rt. rear axle bearing
Lt. front axle bearing
Lt. middle axle bearing
Lt. rear axle bearing

TRAILER TRUCK GROUP

Rt. front axle bearing
Rt. front hub liner
Rt. rear axle bearing
Rt. rear hub liner
Lt. front axle bearing
Lt. front hub liner
Lt. rear axle bearing
Lt. rear hub liner

REAR DRIVER GROUP

Rt. driver bearing
Rt. hub liner
Rt. pedestal shoes
Rt. side rod bushing
Lt. driver bearing
Lt. hub liner
Lt. pedestal shoes
Lt. side rod bushing

MAIN DRIVER GROUP

Rt. driver bearing
Rt. hub liner
Rt. pedestal shoes
Rt. side rod bushing
Rt. main rod bushing
Rt. eccentric rod bushing
Rt. side rod knuckle joint
Rt. water pump eccentric
Rt. water pump wrist pin
Rt. water pump ram
Lt. driver bearing
Lt. hub liner
Lt. pedestal shoes
Lt. side rod bushing
Lt. main rod bushing
Lt. eccentric rod bushing
Lt. side rod knuckle joint
Lt. water pump eccentric
Lt. water pump wrist pin
Lt. water pump ram

FRONT DRIVER GROUP

Rt. driver bearing
Rt. hub liner
Rt. pedestal shoes
Rt. side rod bushing
Lt. driver bearing
Lt. hub liner
Lt. pedestal shoes
Lt. side rod bushing
Brake cylinder piston rod
Brake cylinder lever pins

ENGINE TRUCK GROUP

Rt. front axle bearing
Rt. front hub liner
Rt. rear axle bearing
Rt. rear hub liner
Lt. front axle bearing
Lt. front hub liner
Lt. rear axle bearing
Lt. rear hub liner
Truck center pin

GENERAL INSTRUCTIONS

Except for shut down group, all points to be lubricated at beginning of day's operation.

Cylinder oil pump reservoir to be filled at beginning of day's operation, if necessary.

Cylinder oil pump reservoir to be filled after 60 scale miles of operation.

Shut down group to be lubricated at completion of day's operation. All valve inspection ports to be lubricated once with valve at full forward valve travel and then again at full backward valve travel. Side of engine shall be placed on either quarter to provide for maximum valve travel in full forward and backward gear. After lubricating all valve inspection ports drain cocks shall be left open and reverse lever centered.

At shut down blower valve shall be left cracked open to prevent boiler vacuum pressure.