

LINCOLN



Wayside Railroad Lubrication System

***For Gauge Face
and Top Of Rail***



**LINCOLN, THE #1 WORLDWIDE LUBRICATION SYSTEM SUPPLIER,
IS DRIVING TECHNOLOGY TO MEET THE RAILROADS'
REQUIREMENTS IN DEMANDING ENVIRONMENTS**

LINCOLN

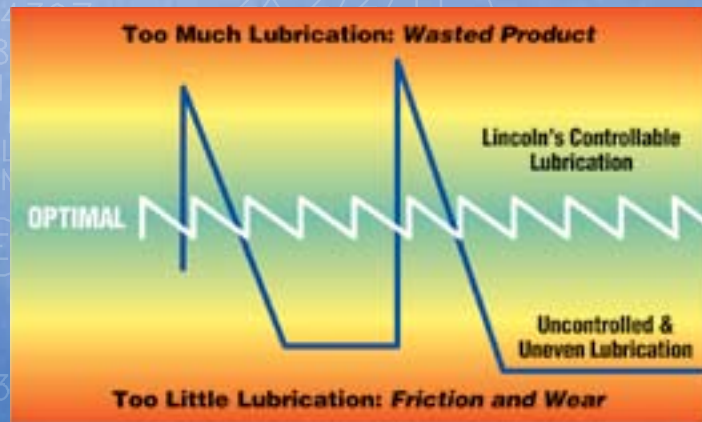
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THE ISSUES

- High lubricator maintenance costs
- Uncontrolled and uneven grease placement
- Too many weather and temperature variants

Other lubrication systems apply large, uncontrolled amounts of grease in short durations to the rail. These systems flood the rail even when set at their smallest time setting. Any grease that does not attach to the wheel, falls to the ballast resulting in wasted material and uneven distribution at the application site.

The Lincoln Wayside Lubrication System effectively applies a consistent volume of grease to the rail and it holds that grease in place allowing the wheels to grab and carry it around the length of the track curve.



Precisely Apply Small Amounts of Lubricant Frequently

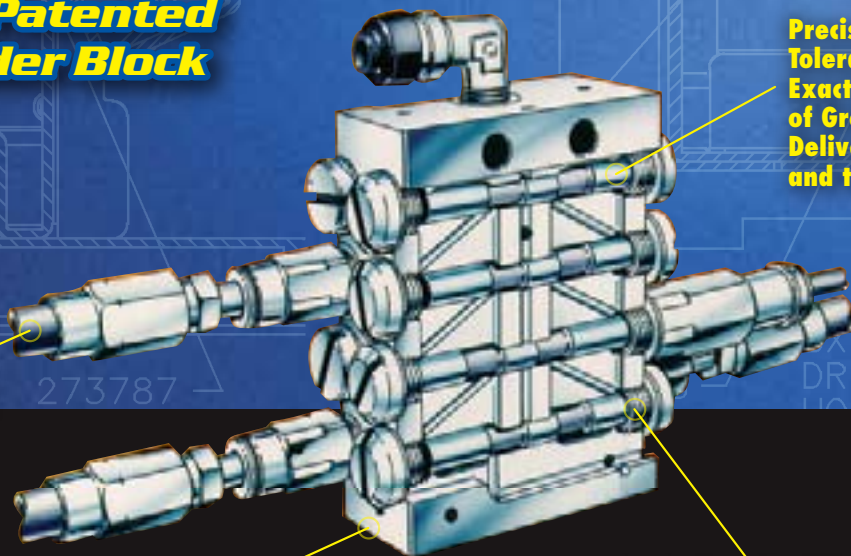
THE LINCOLN SOLUTION

Lincoln's Wayside lubrication system delivers precisely controlled, even grease output to each rail regardless of lubricant viscosities and temperature conditions.

- Lincoln's field-proven SSV® divider block and FlowMaster® pump technology applied in Lincoln's railroad systems have been utilized in other tough application environments including mining, construction and industrial settings
- Pump-to-port technology using Lincoln's patented, field-proven divider block

Lincoln's Patented SSV® Divider Block

High-Pressure Feedline Hose—4,000 psi



Precision Piston Tolerances Ensure Exact Amounts of Grease are Delivered to Each Rail and to Each Outlet Pair

-22°F to +212°F (-30°C to +100°C)

No Gaskets or O-rings to Leak

THE RESULT

FEATURES AND BENEFITS



Reduce Lubricant Cost

- Grease output is delivered in small, precise amounts in frequent intervals for the most efficient lubricant usage
- Even distribution to every wiper bar outlet
- Pump speed adjustable to further fine-tune the lubricant output
- Wiper bar places grease high on the gauge face to be carried by passing wheel flanges avoiding grease migration to the top of rail

Minimize Maintenance Costs and Time

- Patented wiper bar tucked under rail to avoid wheel strikes
- High-pressure system prevents clogged outlets

Performs in All Weather and Seasons

- 24 VDC system with low current draw to maximize storage capacity and power
- Oversized solar panel delivers more power to the batteries keeping them charged during long periods of cloudiness
- High-pressure system continues to pump and distribute grease in extreme temperatures
- IP6K-rated high-density polyethylene reservoir keeps moisture out

Reduce Total Cost of Ownership

- System designed to withstand harsh environments to lower maintenance costs
- More consistent lubrication reduces rail and wheel wear



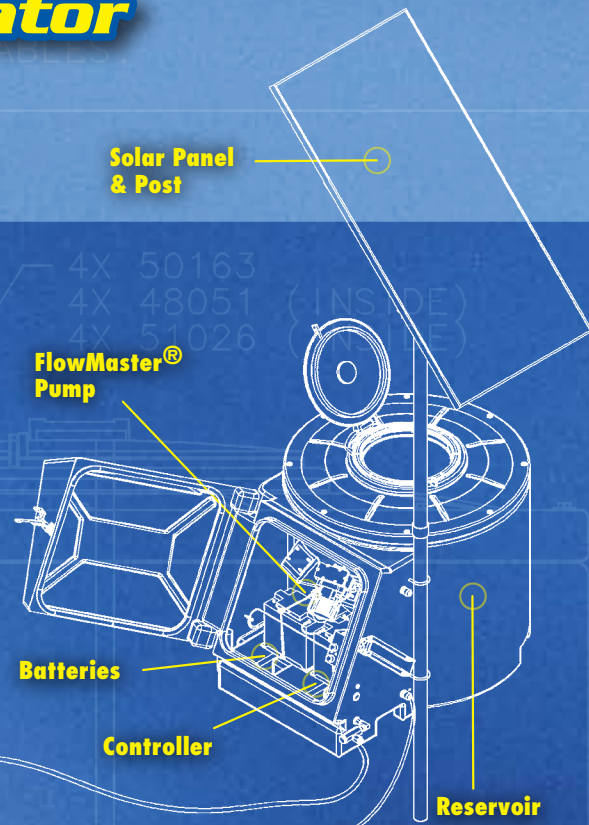
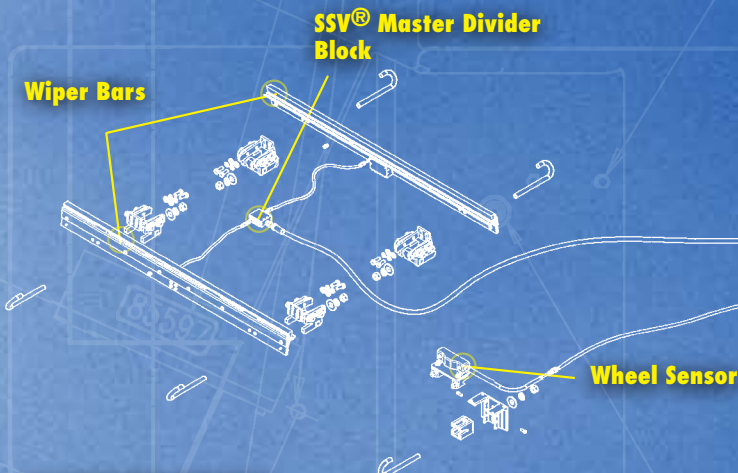
System Components:

- **Pump-to-Port Divider Valve**—Patented, field-proven divider blocks deliver equally measured grease outputs to each rail and outlet pair
- **FlowMaster® Pump**—High-pressure, 24 VDC two-stage pump proven in harsh industrial applications
- **Grease Output Controller**—Select the pump “on” time and the activation wheel count with easy-to-adjust dials. An LED indicates that the sensor is detecting passing wheels. An axle counter is also included to monitor the number of axles that have been sensed
- **Wheel Sensor**—Updated design with a cover to protect against damage from debris or ice

Lincoln Wayside Lubricator

SYSTEM SPECIFICATIONS

Operating Voltage	Solar/Battery System: 24VDC, 175W Electric System: 90-270 VAC, 50/60 Hz
Operating Temperature	-40°F to +160°F (-40°C to +70°C)
Operating Pressure	4,000 PSIG (276 Bar) Maximum
Grease Reservoir	800 Lbs Capacity (110 Gallons or 416 Liters) IP6K-Rated



Model 85562

ACCESSORIES

Model	Description
274639	Track Mat, one 50' inside sheet for single track systems
274640	Track Mat, two 50' outside sheets for single track systems
274158	Track Mat, one 100' inside sheet for dual track systems
274157	Track Mat, two 100' outside sheets for dual track systems
274170	Rain/Snow Sensor
274599	Directional Sensor Kit
274815**	Restraining Rail Wiper Bar
274813**	Restraining Rail Mounting Hardware Kit (1 required per wiper bar)
86000	Wiper Bar Extender Kit

**Verify restraining rail dimensions with Lincoln prior to ordering

AVAILABLE WAYSIDE SYSTEMS

Model	Description
85562	Single track 24VDC solar
85563	Dual track 24VDC solar
85564	Single track VAC electric
85565	Dual track VAC electric
85476*	Upgrade Retrofit Kit to DC
85590*	Upgrade Retrofit Kit to AC

*Verify existing reservoir with Lincoln prior to ordering



Restraining rail application



Wiper bar with extender kit

INDUSTRY LEADER

Continually satisfying our customers with the world's best lubrication equipment and pumping systems has made Lincoln the largest and most successful company in our field. For more than 90 years, companies have relied on our technical and quality leadership; our world-class manufacturing and customer service; and our vast network of distributors and support facilities.



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