



# ESCALATOR MAINTENANCE SOLUTIONS






 **Castrol**  
**LubeCon**



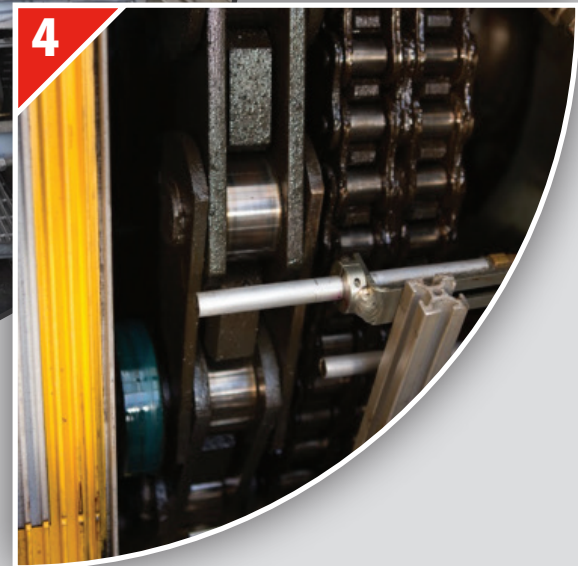
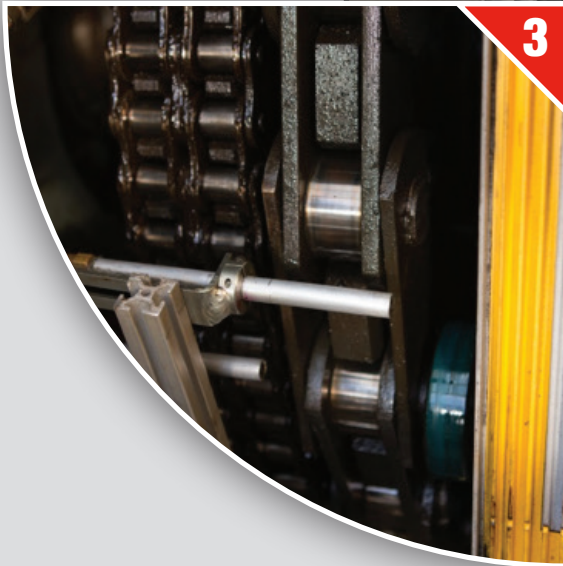
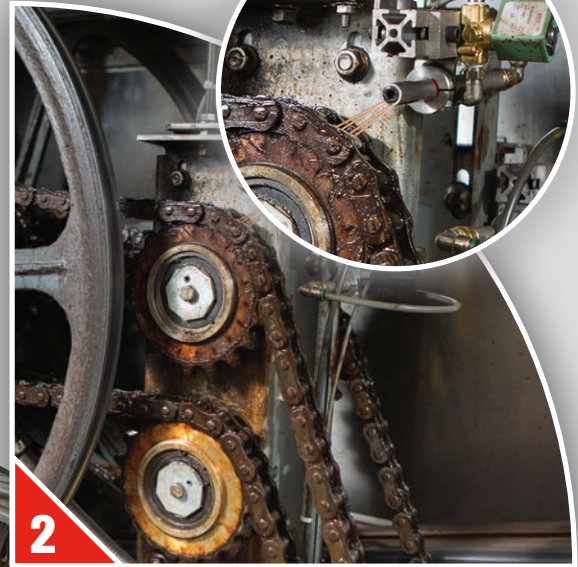
# ESCALATOR MAINTENANCE

Castrol® understands the challenges you face with escalator maintenance. From labor and chain costs, to out-of-service time and passenger complaints, lubrication issues can be costly. Our automatic lubrication system developed and refined over many years in tough industrial environments paired with specialized Castrol lubricants, can greatly reduce some of your most common stressors. With reduced lubricant consumption and properly lubricated chains, you can improve uptime and employee and customer safety. Let us help you simplify your process.



Maintenance Challenge	Current Situation	Castrol Solution
 Labor costs	<ul style="list-style-type: none"> <li>Monthly PM requires 1 to 2 individuals for a period of hours</li> </ul>	<ul style="list-style-type: none"> <li>Automatic system frees up busy personnel for other activities</li> </ul>
 Application	<ul style="list-style-type: none"> <li>Oil sprayed or brushed onto chain</li> <li>Excess oil must be absorbed</li> <li>Wet lube application attracts dirt and grime accelerating wear</li> </ul>	<ul style="list-style-type: none"> <li>Micro ejections of lubricant precisely delivered to wear points</li> <li>Lubrication intervals, defined by the user, prevent over or under lubrication</li> <li>PM Watch to monitor application</li> </ul>
 Safety	<ul style="list-style-type: none"> <li>Oil can contaminate surrounding area posing a safety hazard</li> </ul>	<ul style="list-style-type: none"> <li>Dry film product applied in precise amounts to precise locations eliminates excess, drips and spills</li> <li>Greatly reduced need for housekeeping/ potential for grease slips</li> </ul>
 Chain Life	<ul style="list-style-type: none"> <li>Average chain life often just 2 to 3 years</li> <li>Oil consumption of as much as 200 gallons per year</li> </ul>	<ul style="list-style-type: none"> <li>Chain life can be increased up to 5 times current life</li> <li>Oil consumption can be reduced by up to 95% annually</li> </ul>
 Passenger Experience	<ul style="list-style-type: none"> <li>Escalator must be taken out of service for PM or chain replacement causing inconvenience, annoyance and complaints</li> </ul>	<ul style="list-style-type: none"> <li>Improved Escalator uptime</li> </ul>

# MOST COMMON **STRESS AREAS**



**1** Hand Rail Chain Lubrication

**2** Hand Rail Chain Lubrication - multiple chains

**3** Duplex Drive Chain Lubrication

**4** Step Chain Lubrication



# EQUIPMENT OVERVIEW

## Fluid monitoring systems to control your application intervals

PM Watch is a plug and play ready monitoring system, capable of monitoring lubrication and machine functions in real-time.



## Lubricant system in escalator pit



## Custom fit lube tube tailored to your chain widths



Our systems are designed to precisely apply micro ejections of lubricant to the lubrication points to reduce house keeping issues and cost. Lube-tubes, with precision orifices, are utilized to control ejections to wear points.

For more information please visit us at [www.lubecon.com](http://www.lubecon.com) or call **800-582-3266**

IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.®

