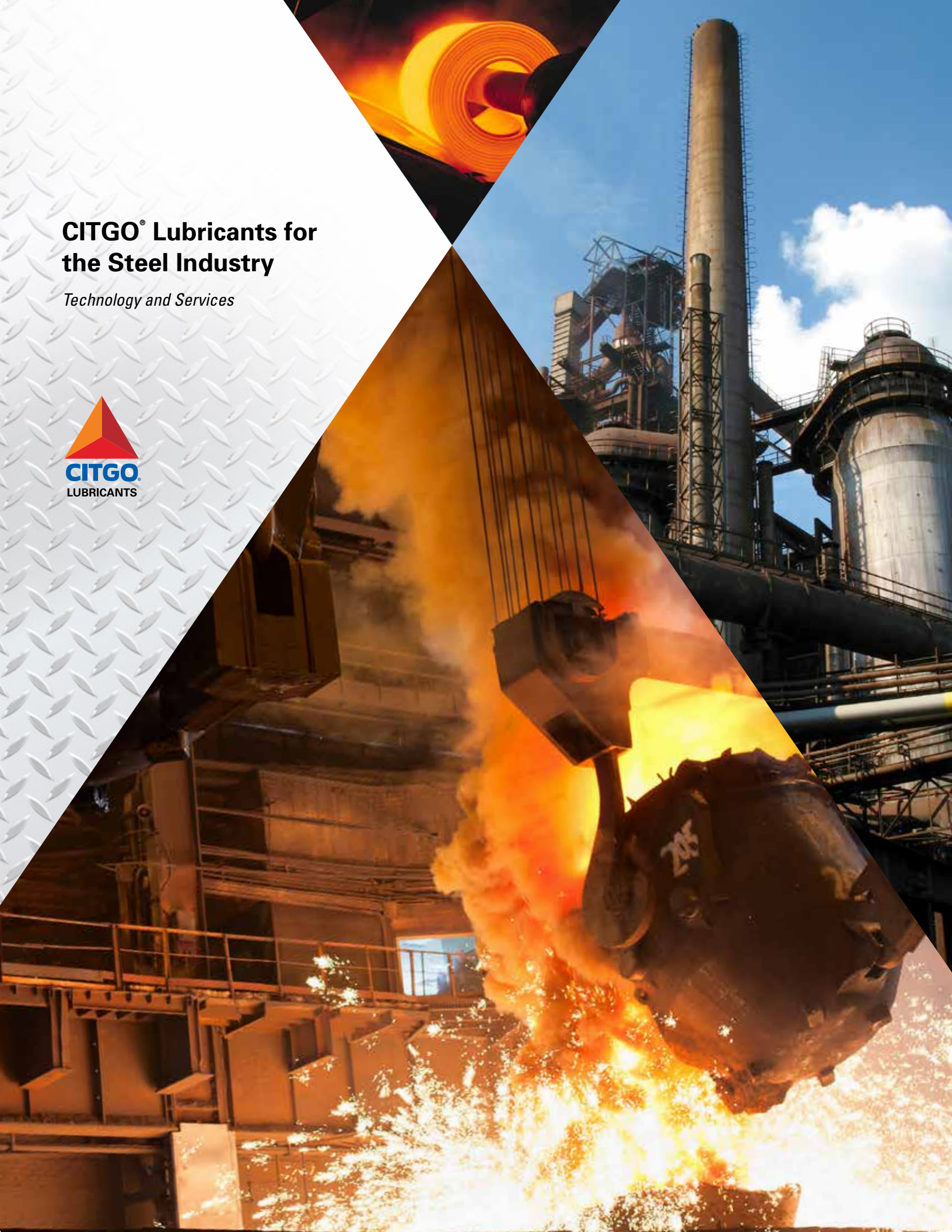


**CITGO® Lubricants for
the Steel Industry**

Technology and Services



A photograph of a worker in a steel mill, wearing a dark protective suit and a helmet, standing in front of a large, glowing orange molten metal container. The worker is holding a long tool, possibly a ladle or a sampling tool. The background is filled with industrial structures and more molten metal, creating a bright, high-contrast scene. A large red diagonal shape is overlaid on the top left of the image.

Proven CITGO Lubricant Solutions for the Steel Industry

The steel industry pushes the limits of lubrication boundaries with challenging and harsh environments. Steel making operations need to stay efficient, competitive and profitable in spite of cost pressures and world demand fluctuations. For decades, CITGO has been committed to contributing to the efficiency of the steel industry with innovative, field-proven lubricant solutions.

CITGO Lubricants is ready to help your business with a line of warranted lubricants. CITGO offers cutting-edge product solutions for severe environments, field-proven technology, professional services and superior customer service to help keep your equipment running cleaner, longer and more efficiently.

Equipment corrosion problems have been solved with our specialized grease technology, and major energy savings have been realized through the use of highly efficient gear lubricants.

As a lubrication solutions leader, CITGO offers product choices for equipment challenges; including:

- Industrial greases
- Fire-resistant hydraulic fluids
- Mill stand lubricants
- Industrial gear fluids
- Rolling stock lubricants
- Industrial synthetics

Professional Services

CITGO provides professional services to enable your business processes to safely optimize lubrication programs, equipment production cycles and longevity.

The LubeAlert® SP (Special Products) Early Warning Maintenance Program is a state-of-the-art electronic oil analysis program that includes testing of water-based hydraulic fluids. It offers the following benefits:

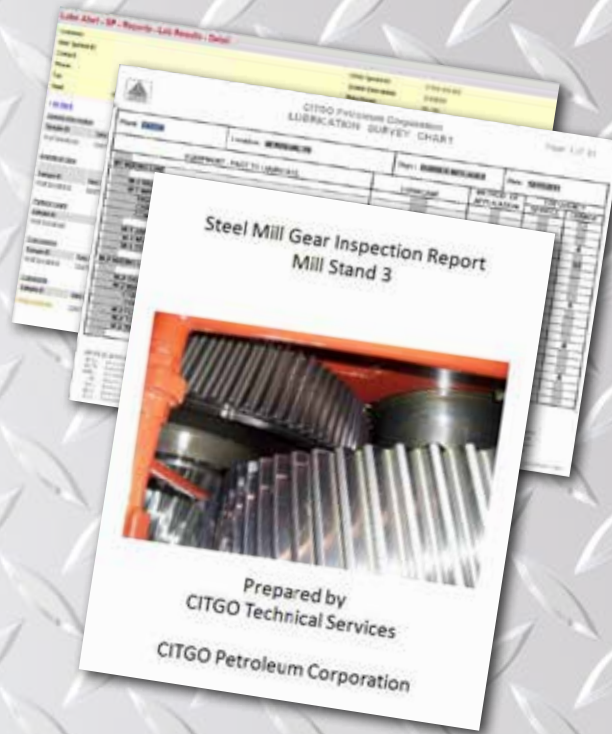
- Increased equipment efficiency
- Monitoring of mechanical and operational parameters
- Online reporting
- Charting tools
- Lower maintenance costs

On-site lubrication consultation is performed with experienced CITGO representatives in the following areas:

- Equipment inspections
- Personnel training
- Application troubleshooting

Plant lubrication surveys optimize your lubrication program by:

- Identifying proper lubricant usage
- Continued optimization
- Providing lubricant application training



Custom reports and surveys are important components of the LubeAlert SP Early Warning Maintenance Program.

To learn more about CITGO lubrication solutions, contact us today at 1-800-248-4684 or lubeshelp@citgo.com

Specialized Products for the Steel Industry

	Product	Benefits
Greases	Lithoplex® ST	Saved a mill \$300,000 in equipment replacement
	SynDurance® ST 220 & 460	Achieved a single-grease solution for the entire mill
Gear Oils	Pacemaker® SD	MORGOIL® capable with superior demulsibility
	CITGEAR® XCO	Formulated for high-speed rod mills
Hydraulic Fluid	FR WG-40XD®	Fire Resistant with FM Approvals



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