Hibbing Taconite Company's Maintenance and Reliability program employs an aggressive condition monitoring program that consists of many technologies and standards. All of these efforts are an attempt to better understand the health and needs of our process equipment. At the heart of our condition monitoring efforts lays our lubrication program. Our lubrication program focuses on the comprehensive development and growth of our lubrication systems. These systems include employee skills development, implementation of the latest technologies, and industry best practices. By focusing on development, growth and sustainability, our program is able to achieve its goals of decreasing oil consumption, reducing lubrication related spills, increasing component life, and maintaining up to date information on the health of our assets; making it the backbone of our Maintenance and Reliability System.

Cliffs Natural Resources' Model for Continuous Improvement has been the basis of our lubrication program evolution over the past 10 years. This model focuses on the continuous engagement of our people in the field to help give this program the focus needed to achieve the results expected and support Cliffs Natural Resources' business strategy. With this model, we have been able to effectively train, mentor, and develop our people to achieve our goal of having a world class lubrication program. Since the inception of a formal lubrication program, 80 employees have been trained to MLT 1 or equivalent standards as well as Hibbing Taconites fluid handling and equipment use training, and oil analysis training. The benefits of these engagements have equipped our people with the proper knowledge and tools required to perform their lubrication tasks effectively, as well as reinforced the continuous engagement between maintenance and reliability.

This level of commitment and dedication to our lubrication program in concert with other condition monitoring practices has led Hibbing Taconite to realize bottom line savings through: increased component life, condition based component and fluid change outs, decreased lubrication related expenses and proactive precision maintenance techniques such as achieving fluid cleanliness targets.

Through Cliffs’ continuous improvement model, engagement of our employees, and support of our management, we at Hibbing Taconite are confident that we can achieve our goal of developing and sustaining a world class lubrication program.

Hibbing Taconite Company Managed By Cliffs

CMMS Software and Predictive Maintenance Instruments/Software:
- Winroast Oil Analysis Software and Database
- Emerson CSI 2130 Data Collectors
- Emerson AMS Machinery Health Manager
- UE 10,000 Ultrasonic
- UE Grease Caddy
- PI Data Historian and Modular Dispatch System
- Mincom Ellipse
- Rotalign Ultra Laser Alignment Tools
- Ultrasonic Thickness Measurement Tools
- Micron M7800 Infrared Camera

Best Lubrication Program

Best Maintenance Reliability Programs 2012

HIBBING TACONITE COMPANY Managed By Cliffs