The tracking and completion of equipment lubrication is critical for ensuring the prevention of lubrication-related equipment failures and unplanned downtime. While analysts and engineers may be responsible for defining the overall strategy for equipment, operators and lubricators often have a better day-to-day understanding of physical equipment functions and conditions. As a result, these individuals have the best opportunity to collect the data needed to assess the current condition of equipment.

An optimal equipment strategy is more effective when lubrication activities are performed as expected and with the appropriate lubricants. Therefore, tracking lubrication activities for critical equipment and documenting the corresponding field data are fundamental to managing the reliability of equipment.

Meridium’s Lubrication Management module is part of the APM Foundation work process and an integrated component of a complete Asset Performance Management (APM) enterprise solution. Lubrication Management provides tools that allow you to:

- Integrate equipment strategies into lubrication programs and day-to-day operations.
- Facilitate the efficient execution of lubrication activities.

**Route Management**

Through its Route Management features, the Meridium Lubrication Management module allows you to arrange lubrication checkpoints on a Route, so that resources are utilized efficiently to perform the right lubrication activities at the right time.

**Lubrication Requirement Management**

In Meridium’s Lubrication Management module, a lubrication requirement defines the location and attributes for the user when performing lubrication activities. Lubrication Management provides the following features for managing lubrication requirements:

- **Lubrication Requirement Templates**: Allows you to define common lubrication requirements in one place so they can be reused across the enterprise. This functionality provides a way for administrators to set up new lubrication requirements quickly and easily, while maintaining a consistent approach to performing these activities.
- **Lubricants**: Provides administrators with the ability to define an exclusive list of lubricants, manufacturers, and lubrication methods, thereby ensuring consistent and accurate lubrication techniques.
- **Schedules**: Provides a wide variety of scheduling options that allow administrators to define anything from a simple schedule (e.g., hourly or weekly) to more complex recurrence patterns (e.g., every third Thursday of the month for 20 months).
- **Lubrication Activities**: Offers track, check, and change-out functionality, because different lubrication requirements call for different activities.

**Routes**

After Routes have been configured, Meridium Lubrication Management makes it easy to identify the lubrication requirements that are due and execute the Route to perform the lubrication activities. Lubrication Management provides the following features to facilitate Route execution:

- **Data Collection**: Allows operators to efficiently document the readings for each lubrication requirement on a Route.
- **Recommendations**: Provides operators with the ability to document a request for additional action, such as maintenance...
or repair work, when they are unable to correct an undesirable situation in the field. By creating a recommendation, the lubricator or operator can ensure that potential failures are addressed in a timely manner.

- **History:** Offers access to historical lubrication readings and recommendations. This information provides valuable insight that can help drive decisions that will ensure safe and reliable operations.

### Data Analysis, Trending, and Alerts

Because all Route and lubrication requirement data is stored in Meridium, the advanced analytical and strategy management tools that are part of the complete Meridium solution can be used to evaluate and manage equipment data after it has been uploaded to Meridium. Available features include:

- **Lubrication Review:** Allows supervisors to review all lubrication-related data.
- **Route Status Monitoring:** Presents supervisors with information about collected readings and recommendations as well as reminders for Routes that are overdue, allowing supervisors to ensure that no work is overlooked.

- **Trend Graphs:** Provide a visual representation of historical data for lubrication requirements to depict whether a given condition is trending in a particular way.
- **Conditional Alerts:** Via automated e-mail integration, supervisors are informed about conditions found in the field and can verify that the proper action is taken.
- **Key Performance Indicators and Scorecards:** Supplies lubrication data as input to Key Performance Indicators and Scorecards to provide the operational status of critical equipment at a glance so corrective action can be taken if needed.

Meridium Lubrication Management offers a solution to the challenges presented by other methods of field-data collection by providing:

- A structured approach to defining the asset strategy and implementing the monitoring program.
- The ability to evaluate and analyze the collected data within a fully integrated APM system to optimize asset strategies.
As part of the APM Framework Work Process, the Meridium Lubrication Management application provides the tools and functionality that you need to develop a powerful mobile inspection solution that supports your workflows and has the flexibility needed to meet your changing business needs.

Meridium is the global leader in asset performance management software and services for asset-intensive industries. Meridium lowers the risk of harm to people, our planet and profits by predicting and preventing physical asset failures. With Meridium’s unique enterprise analytics, our clients minimize production downtime while improving safety.

The Meridium APM Foundation Work Process and enabling software are a prerequisite to all other work processes. It includes all of the elements for a successful APM initiative and the framework for a living strategy, including using your existing data and structures from other systems. A core work process of the Meridium solution, APM Foundation provides the value of integrated performance data in the right context to identify opportunities for improvement and focus improvement efforts.