CBM Metrics & Definitions

Asset Health: The current percentage of assets monitored with no identifiable defects or issues. Goal: 90% or greater.

MTTI: Mean Time to Implement corrective action. This number is calculated from the time the fault entry is entered until it is checked off to indicate corrective action has been performed. Goal: less than 45 days.

MTTC: Mean Time to Correct identified fault entries. This number is calculated from the time the fault entry is entered until it is reclassified "Green" or "Healthy" to indicate corrective action has been performed successfully. Goal: less than 60 days.

% of Completed Fault Entries: This metric focuses attention on timely corrective action. It represents the number of repaired fault entries divided by the total number of open fault entries within the reporting period. Goal: 80% or greater.

% Route Adherence: Of the assets included within the condition monitoring program and on route, this is the percentage of equipment that data was collected, analyzed and reported on for a specific duration. Goal: 90% or greater.

Work Execution Supporting Metrics

# of Continued Fault Entries: This metric focuses attention on timely corrective action. If an asset has a fault entry written against it and corrective action has not been performed and the problem still exists during the next round of data acquisition, the primary fault progression will be monitored and continued. It is desirable to see this metric with a declining trend.

# of Implemented (Checked Off) Fault Entries: This metric is an indication that corrective maintenance has been performed, the CMMS has been updated with the status and extent of repairs and the asset is ready to have the repairs validated with a follow up condition monitoring quality check. In order to obtain the best return on your condition monitoring investment, the adoption of a proactive approach inclusive of early detection / early correction strategies must be utilized. This process in conjunction with precision maintenance practices will drive root cause identification, quality maintenance practices and a reliable process. It is desirable to see this metric with increasing trend where possible.

 # Completed Fault Entries: This metric is an indication of the number of assets that have been reclassified "Green" or "Healthy" to indicate corrective action has been performed successfully. It is desirable to see this metric with an increasing trend where possible.

# of New Fault Entries: This number represents the number of new fault entries and is a gauge to evaluate the effectiveness of your inspection practices.