ABSTRACT

HEAVY MAINTENANCE NON-CONFORMANCE FORECASTING

Predicting non-conformance of vehicle parts is provided. The method comprises collating historical work records related to a vehicle model, wherein each work record specifies a work task, non-conformances discovered during the work task, replacement parts required for the work task, when the work task occurred, and where the work task occurred. From the historical work records the system calculates probabilities of non-conformances according to types of work tasks, locations of the work tasks, and timing of the work tasks. Replacement part requirements are determined according to types of non-conformances, and requests are sent for replacement parts for specified service locations according to scheduled work tasks for the vehicle model at the service locations and anticipated probabilities of non-conformances related to the work tasks.

[Fig. 5]