

Entities and Attributes for Fleet Truck Maintenance

This document was created by Smith Systems Consulting at the request of Huffman Trucking Maintenance Department. The descriptions provided are based on interviews with maintenance personnel who use the Fleet Truck Maintenance database. The creator of the database was not available.

PARTS INVENTORY Purchases

This table represents truck maintenance parts that have been purchased.

Transaction ID
Purchase Date
Purchase Price
Quantity

PARTS INVENTORY ISSUES

This table represents parts that have been taken out of inventory.

Transaction ID
Issue Date
Purchase Price
Quantity

PARTS CATALOGUE

The data in this catalogue are all parts used in the truck maintenance operation of Huffman Trucking.

ID
Description
Type
Manufacturer
Quantity On Hand
Reorder Point
Reorder Quantity

VENDORS

These are the approved vendors which can be used to supply parts to the Huffman Truck Maintenance operation.

Vendor ID
Name
Order address
 Street
 City
 State
 Zip
Order Contact
Order Phone Number
Order Fax Number
Billing Address
 Street
 City
 State
 Zip
Billing Contact
Billing Phone Number
Billing Fax Number

Parts Purchasing History

This data represents the history of parts purchased for the Huffman Trucking Truck Maintenance operation.

Transaction ID
Catalogue ID
Quantity Purchased
Manufacturer ID
Order Quantity
Price
Shipping
Tax
FOB

VEHICLE MAINTENANCE

This table contains all of the maintenance performed on each vehicle.

Vehicle Serial Number
Vehicle Part ID
Maintenance Type ID
Put in Service Date
Last Maintenance Date
Next Scheduled Maintenance Date
Under Warranty Flag

Tire Maintenance

This table contains all of the maintenance performed on each tire on each vehicle.

Barcode
Type
Vehicle Type
Manufacturer ID
Put in Service Date
Rotation Schedule
Last Rotated
Disposal Date

MAINTENANCE DESCRIPTIONS

This data contains a description of the all maintenance operations performed by the Huffman Trucking maintenance operation.

Maintenance Type ID
Level Code
Description
Average Hours Required
Days Between Recommended Maintenance
Maximum Days Between Maintenance

VEHICLE TYPES

This is a description of all vehicle types maintained by the Huffman Trucking maintenance operation.

Type ID
Description

VEHICLES

Detailed data on each vehicle for Huffman Trucking is in this table.

VIN
Type ID
Class Code
Put into service Date
Gross Weight
Mileage
Purchase Price
Accumulated Depreciation
Taken out of service Date

Capacity

MAINTENANCE WORK ORDER

This table contains the details of each work order performed by the Huffman Trucking maintenance operation.

Work Order ID
Vehicle
Part ID
Maintenance Type ID
Assignment TO
Date Started
Date Completed
Hours