**QCVehDiagOnboardData** –

Just a Key/Value dictionary tied to the QCJ1939Fault record on QCJ1939FaultId

These are the engine data parameters that are sent with the engine faults.

**QCJ1939Fault** –

ESS\_Id – the event subscriber service event that contained the fault

EventTimeStamp – when the event took place

eventDescription – brief text of meaning of the code (not always present)

actionDescription – never seen this filled in

ecuSoftwareVersion – version string from the reporting vehicle computer system

ecuSerialNumber – Serial number of the reporting Engine Control Module (ECM)

ecuModel -Model of the reporting ECM

ecuMake – Manufacturer of the reporting ECM

ecuSource –

spn – Fault code being reported

fmi – Failure Mode associated with the Fault Code

active – whether the code is being set or being removed

activeTransitionCount – Number of times code has been set/unset

faultValue – never seen used

EquipmentID – Assigned truck number of the unit in question

MCTNumber – Communications Terminal assigned to the truck

Latitude – Latitude at time of event

Longitude – Longitude at time of event

LocationTimeStamp – Time latitude and longitude were obtained