

LIITE 2. AEMP-standardin mukaisia tietosisältöesimerkkejä

Esimerkki AEMP- tietosisällöstä vanhemman AEMP 1.2 version mukaisesti

```
<?xml version="1.0" encoding="utf-8"?>
<Fleet xmlns="http://schemas.aemp.org/fleet" version="1" snapshotTime="2010-02-09T16:48:00Z">
  <Equipment>
    <EquipmentHeader>
      <UnitInstallDateTime>2010-01-10T07:58:00Z</UnitInstallDateTime>
      <Make>XYZOEM</Make>
      <Model>i93ED</Model>
      <EquipmentID>78907X</EquipmentID>
      <SerialNumber>123YJA7334912436</SerialNumber>
    </EquipmentHeader>
    <Location datetime="2010-02-09T06:40:00Z">
      <Latitude>39.2855</Latitude>
      <Longitude>-84.4316</Longitude>
      <Altitude>
        <AltitudeUnits>meters</AltitudeUnits>
        <Meters>28.5</Meters>
      </Altitude>
    </Location>
    <CumulativeOperatingHours datetime="2010-02-09T15:18:00Z">
      <Hour>P321DT9H43M30S</Hour>
      <ResetDateTime>2009-02-23T05:34:30Z</ResetDateTime>
    </CumulativeOperatingHours>
    <FuelUsed datetime="2010-02-09T11:51:00Z">
      <FuelUnits>gallon</FuelUnits>
      <FuelConsumed>12345</FuelConsumed>
    </FuelUsed>
    <FuelUsedLast24 datetime="2010-02-09T09:13:00Z">
      <FuelUnits>gallon</FuelUnits>
      <FuelConsumed>45</FuelConsumed>
    </FuelUsedLast24>
    <Distance datetime="2010-02-09T07:16:00Z">
      <OdometerUnits>kilometer</OdometerUnits>
      <Odometer>28</Odometer>
      <ResetDateTime>2009-12-16T07:16:00Z</ResetDateTime>
    </Distance>
  </Equipment>
  <Equipment>
    <EquipmentHeader>
      <UnitInstallDateTime>2010-01-10T14:09:00Z</UnitInstallDateTime>
      <Make>XYZOEM</Make>
      <Model>i93ED</Model>
      <EquipmentID>78908X</EquipmentID>
      <SerialNumber>123YJA5467812</SerialNumber>
    </EquipmentHeader>
    <Location datetime="2010-02-09T11:38:00Z">
      <Latitude>39.4012</Latitude>
      <Longitude>-84.2345</Longitude>
      <Altitude>
        <AltitudeUnits>feet-inches</AltitudeUnits>
        <Feet>88</Feet>
      </Altitude>
    </Location>
  </Equipment>
</Fleet>
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    <Inches>6</Inches>
  </Altitude>
</Location>
<CumulativeOperatingHours datetime="2010-02-09T09:19:00Z">
  <Hour>P3DT5H</Hour>
  <ResetDateTime>2010-01-07T04:19:00Z</ResetDateTime>
</CumulativeOperatingHours>
<FuelUsed datetime="2010-02-09T06:54:00Z">
  <FuelUnits>liter</FuelUnits>
  <FuelConsumed>12345</FuelConsumed>
</FuelUsed>
<FuelUsedLast24 datetime="2010-02-09T15:20:00Z">
  <FuelUnits>liter</FuelUnits>
  <FuelConsumed>34</FuelConsumed>
</FuelUsedLast24>
<Distance datetime="2010-02-09T09:15:00Z">
  <OdometerUnits>mile</OdometerUnits>
  <Odometer>12</Odometer>
  <ResetDateTime>2009-12-16T09:15:00Z</ResetDateTime>
</Distance>
</Equipment>
<Equipment>
  <EquipmentHeader>
    <UnitInstallDateTime>2010-01-10T15:09:00Z</UnitInstallDateTime>
    <Make>XYZOEM</Make>
    <Model>i93ED</Model>
    <EquipmentID>78908X</EquipmentID>
    <SerialNumber>123YJA5467819</SerialNumber>
  </EquipmentHeader>
  <CumulativeOperatingHours datetime="2010-02-09T07:30:00Z">
    <Hour>P4DT3H</Hour>
    <ResetDateTime>2010-01-06T04:30:00Z</ResetDateTime>
  </CumulativeOperatingHours>
  <FuelUsed datetime="2010-02-09T13:44:00Z">
    <FuelUnits>gallon</FuelUnits>
    <FuelConsumed>86</FuelConsumed>
  </FuelUsed>
  <FuelUsedLast24 datetime="2010-02-09T10:10:00Z">
    <FuelUnits>gallon</FuelUnits>
    <FuelConsumed>6</FuelConsumed>
  </FuelUsedLast24>
</Equipment>
</Fleet>

```

Esimerkki AEMP 2.0:n mahdollistamia tietoja päästölaskentaa varten (flespi – järjestelmän käyttämässä JSON-esitystavassa)

Name	Type	Unit	Description
aemp.avg_load_factor24	number	percentage	Average daily load factor
aemp.carh	number	seconds	Total active regeneration hours
aemp.defr	number	percentage	DEF tank remaining percentage

aemp.defr_capacity	number	liters	DEF Tank capacity
aemp.fuel_tank_capacity	number	liters	Fuel tank capacity
aemp.fuel_used24	number	liters	Fuel consumed by the machine for the last 24 hours period
aemp.idle_non_operating	number	seconds	Total idle non operating hours
aemp.install_timestamp	number	seconds	Telematics Unit Installation Date
aemp.load_count	number		Total cumulative number of loads
aemp.max_speed24	number	km/h	Maximum daily speed for this machine during the previous 24 hours period
aemp.model	string		Equipment Model
aemp.oem_name	string		Equipment Make
aemp.payload_total	number		Cumulative total payload moved by the machine
aemp.pin	string		OEM ISO Number
aemp.power_takeoff	number	seconds	Total power take-off hours
channel.id	number		ID of channel that received a message
device.id	number		ID of device that received a message
device.name	string		Name of device that received a message
device.serial.number	string		Device serial number
device.type.id	number		ID of device type of device that received a message
engine.ignition.status	boolean		Engine ignition status
engine.motorhours	number	hours	Total calculated engine motorhours
fuel.consumed	number	liters	Fuel volume totally consumed by vehicle
fuel.level	number	percentage	Fuel level percentage

ident	string		Device unique identifier like serial number, IMEI, etc
position.altitude	number	meters	Altitude value for position
position.latitude	number	degrees	Latitude coordinate value
position.longitude	number	degrees	Longitude coordinate value
protocol.id	number		ID of protocol
server.timestamp	number	seconds	Timestamp when server received a message
timestamp	number	seconds	Message timestamp
total.idle.seconds	number	seconds	Total time that vehicle was in idling state
vehicle.odometer	number		Vehicle mileage in base units configured in device (km, miles, 100m etc)
vehicle.vin	string		VIN of vehicle