

# Signals collected - DEMOUNTABLE

| NAME                               | DESCRIPTION                                                                                                                                   | DATA_TYPE | UNIT |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|
| EquipmentSerNumber                 | Input manually or automatically during final testing from production database                                                                 | string    | None |
| PLC_SWVer                          | PLC module software version                                                                                                                   | string    | None |
| PLC_FWVer                          | PLC module firmware version                                                                                                                   | string    | None |
| PLC_SerNo                          | PLC module serial number                                                                                                                      | uint32    | None |
| EquipmentID                        | ID of an equipment                                                                                                                            | uint32    | None |
| ServiceDue_byHours                 | When service counter is reset, it gets the value of last service + increment                                                                  | uint16    | None |
| ServiceDue_byCycle                 | When service counter is reset, it gets the value of last service + increment                                                                  | uint16    | None |
| PrevSvrcRst_byHours                | Current value of hour meter when service counter reset was last performed                                                                     | uint16    | None |
| PrevSvrcRst_byCycle                | Current value of cycle counter when service counter reset was last performed                                                                  | uint16    | None |
| TransportMode                      | When middle frame is down, equipment is considered to be in transport mode                                                                    | bool      | None |
| DemountableActiveErrors            | Shows the active hooklift related errors                                                                                                      | string    | None |
| TruckDataEngineRpm                 | Current engine RPM                                                                                                                            | int16     | None |
| TruckDataEngineLoad                | Engine load 0...100% at current RPM                                                                                                           | uint8     | None |
| TruckDataEngineTorque              | Engine torque 0...100%                                                                                                                        | uint8     | None |
| TruckDataEngineFuelRate            | Current engine fuel consumption                                                                                                               | float     | None |
| TruckDataBatteryVoltage            | Vehicle battery voltage in V                                                                                                                  | float     | None |
| TruckDataStatus1                   | Parking Brake start = 0 len =2 bit , PTO start = 2 len =2 bit, Suspension lowering status start = 4 len =2 bit, Reserved start = 6 len = 2bit | int8      | None |
| TruckDataSelectedGear              | 0 = neutral, -1 = reverse                                                                                                                     | int8      | None |
| TruckDataSteeringWheelAngle        | Steering wheel angle in rad                                                                                                                   | float     | None |
| TruckDataWheelBasedVehicleSpeed    | Truck speed                                                                                                                                   | float     | None |
| TruckDataReverseGearEngaged        | Variable is true if reverse gear in use                                                                                                       | bool      | None |
| TruckDataParkingBrakeEngaged       | Variable is true if parking brake is in use                                                                                                   | bool      | None |
| TruckDataPTOEngaged                | Variable is true if PTO/EPTO is engaged                                                                                                       | bool      | None |
| TruckDataSpeedOver5kmh             | Variable is true if truck speed is over 5 km/h                                                                                                | bool      | None |
| TruckDataCurrentRpmRequest         | Shows the current rpm value, which is requested from the truck                                                                                | uint16    | rpm  |
| TruckDataTotalDistanceTravelled    | Information from truck bus, 5m / bit                                                                                                          | uint64    | m    |
| TruckDataTotalFuelConsumed         | Information from truck bus, 0.5 l/bit                                                                                                         | double    | l    |
| ContainerOn                        | TRUE when container is loaded on truck                                                                                                        | bool      | None |
| DemountableMainCylinderPressure    | Demountable main cylinder pressure                                                                                                            | float     | bar  |
| DemountableMainCylinderPressureArm | Demountable main cylinder arm pressure                                                                                                        | float     | bar  |