MVP Digital Twin:

Service Manager Dashboard

API Documentation

Revision History

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| --- | --- | --- |
| Date | Editor | Changes |
| 05.12.2018 | Praveen Kumar Muniganti |  |

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1. Service : Basic Data

Base URL: basic-data/ {asset Number}

Request

|  |  |
| --- | --- |
| Parameters | Description |
| asset Number | Power pack serial number |

Response

|  |  |
| --- | --- |
| Code | Description |
| 200 | Successful operation |
| 500 | Internal server error |
| 404 | End point not found |

Example

|  |
| --- |
| <https://restfollower2.azurewebsites.net/basic-data/1000015>  {  "Ts": "2017-09-08T00:00:00+00:00",  "Material": "12V2000C10",  "System": "SER-00123",  "Region": "",  "MotorMaterial": "R16V4000G83",  "Model": "R16V4000G83 REMAN ENGINE",  "Engine": "000000000200000082",  "Customer": "Land Badenwürtenberg (0022111236)",  "ConnectivityDeviceNum": "",  "OperatingHours": 272,  "Position": [  47.683155,  9.211382  ],  "FSV": "2.1"  } |

1. Service : Upcoming Events

Base URL: upcoming-events / {asset Number}

Request

|  |  |
| --- | --- |
| Parameters | Description |
| asset Number | Power pack serial number |

Response

|  |  |
| --- | --- |
| Code | Description |
| 200 | Successful operation |
| 500 | Internal server error |
| 404 | End point not found |

Example

|  |
| --- |
| https://restfollower2.azurewebsites.net/upcoming-events/1000015  [  {  "Seq": 984,  "Source": "sapwarrantyrecall",  "Ts": "2018-12-03T21:09:09.454873+00:00",  "Type": "K I F",  "Details": [  {  "EventName": "Name of Modification",  "EventValue": "2018.02.16.0001"  },  {  "EventName": "Date of Update",  "EventValue": "2018-12-31"  },  {  "EventName": "Link to Document",  "EventValue": "HTTP://WWW.PRORATA-NOW.COM"  }  ]  },  {  "Seq": 984,  "Source": "sapwarrantyrecall",  "Ts": "2018-12-03T21:09:09.454873+00:00",  "Type": "K I F",  "Details": [  {  "EventName": "Name of Modification",  "EventValue": "2018.02.16.0002"  },  {  "EventName": "Date of Update",  "EventValue": "2018-12-31"  },  {  "EventName": "Link to Document",  "EventValue": "http://www.google.de"  }  ]  },  {  "Seq": 984,  "Source": "sapwarrantyrecall",  "Ts": "2018-12-03T21:09:09.454873+00:00",  "Type": "K I F",  "Details": [  {  "EventName": "Name of Modification",  "EventValue": "Text"  },  {  "EventName": "Date of Update",  "EventValue": "2018-12-31"  },  {  "EventName": "Link to Document",  "EventValue": ""  }  ]  },  {  "Seq": 984,  "Source": "sapwarrantyrecall",  "Ts": "2018-12-03T21:09:09.454873+00:00",  "Type": "K I F",  "Details": [  {  "EventName": "Name of Modification",  "EventValue": "Pro rata classic"  },  {  "EventName": "Date of Update",  "EventValue": "2018-12-31"  },  {  "EventName": "Link to Document",  "EventValue": ""  }  ]  },  {  "Seq": 984,  "Source": "sapwarrantyrecall",  "Ts": "2018-12-03T21:09:09.454873+00:00",  "Type": "K I F",  "Details": [  {  "EventName": "Name of Modification",  "EventValue": "PRO-RATATATA"  },  {  "EventName": "Date of Update",  "EventValue": "2018-12-31"  },  {  "EventName": "Link to Document",  "EventValue": "http://www.dsc-eishockey.de/"  }  ]  },  {  "Seq": 984,  "Source": "sapwarrantyrecall",  "Ts": "2018-12-03T21:09:09.454873+00:00",  "Type": "K I F",  "Details": [  {  "EventName": "Name of Modification",  "EventValue": "english info"  },  {  "EventName": "Date of Update",  "EventValue": "2018-12-31"  },  {  "EventName": "Link to Document",  "EventValue": ""  }  ]  }  ] |

1. Service : River of News

Base URL: RON/ {asset Number}

Request

|  |  |
| --- | --- |
| Parameters | Description |
| asset Number | Power pack serial number |

Response

|  |  |
| --- | --- |
| Code | Description |
| 200 | Successful operation |
| 500 | Internal server error |
| 404 | End point not found |

Example

|  |
| --- |
| <https://dtwinapi-dev.mtu-go.com/RON/1000015>  [  {  "Type": "SapEquipmentHistoryDeliverySet",  "TypeInitials": "S",  "Description": "SAP Equipment History",  "Details": [  {  "EventName": "Description",  "EventValue": ""  }  ],  "Attachments": [  {  "Name": "MITTEILUNG",  "Link": "document/1000015/FOL35000000000004EXT43000000000377"  },  {  "Name": "MITTEILUNG",  "Link": "document/1000015/FOL35000000000004EXT43000000000411"  }  ],  "Ts": "2013-03-06T23:00:00+00:00",  "Seq": 983,  "Source": "SapDOC",  "FormattedDate": "06.03.13"  },  {  "Type": "SapBomAsBuiltSet",  "TypeInitials": "S",  "Description": "SAP BOM as Built Set",  "Details": [],  "Attachments": [],  "Ts": "2016-02-02T14:08:51+00:00",  "Seq": 575,  "Source": "SapBoM",  "FormattedDate": "02.02.16"  },  {  "Type": "SapMasterDataSet",  "TypeInitials": "S",  "Description": "SAP Master Data Set",  "Details": [],  "Attachments": [],  "Ts": "2017-09-07T22:00:00+00:00",  "Seq": 958,  "Source": "sapmasterdata",  "FormattedDate": "07.09.17"  },  {  "Type": "TalendFirmwareSet",  "TypeInitials": "T",  "Description": "Talend Firmware Set",  "Details": [],  "Attachments": [],  "Ts": "2018-12-03T23:01:38.692669+00:00",  "Seq": 986,  "Source": "talendfirmware",  "FormattedDate": "03.12.18"  },  {  "Type": "TalendTimDocumentSet",  "TypeInitials": "T",  "Description": "Talend Tim Document Set",  "Details": [],  "Attachments": [  {  "Name": "MA30367\_04DE.pdf",  "Link": "talend-doc/1000015/spare\_parts\_catalogue/MA30367\_04DE.pdf"  },  {  "Name": "MA15151\_10E.pdf",  "Link": "talend-doc/1000015/operation\_manual/MA15151\_10E.pdf"  },  {  "Name": "A001063\_02E.pdf",  "Link": "talend-doc/1000015/fluids\_lubricants/A001063\_02E.pdf"  }  ],  "Ts": "2018-12-03T23:12:23.90965+00:00",  "Seq": 987,  "Source": "TldTim",  "FormattedDate": "03.12.18"  }  ] |

1. Service : BOM As Maintained

Base URL: engine-bom-as-maintained/ {asset Number}

Request

|  |  |
| --- | --- |
| Parameters | Description |
| asset Number | Power pack serial number |

Response

|  |  |
| --- | --- |
| Code | Description |
| 200 | Successful operation |
| 500 | Internal server error |
| 404 | End point not found |

Example

|  |
| --- |
| <https://restfollower2.azurewebsites.net/engine-bom-as-maintained/1000015>  {"Ts": "2016-02-02T15:08:51+00:00", "Materials": [{"MaterialNumber": "12V4000G23", "Descr": "526104875/12V4000G23", "BatchNumber": "No data from source", "ValidFrom": "2016-02-02T15:08:51+00:00", "Children": [{"MaterialNumber": "X00011161", "Descr": "COOLANT PUMP HIGH-TEMP CIRCUIT", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "000125013012", "Descr": "WASHER", "BatchNumber": "No data from source"}, {"MaterialNumber": "000931012176", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429120002", "Descr": "O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "000933012040", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "700223010000", "Descr": "BOLT BANJO A12", "BatchNumber": "No data from source"}, {"MaterialNumber": "000933012051", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "5242030340", "Descr": "SUPPORT MTG HOLDER", "BatchNumber": "No data from source"}, {"MaterialNumber": "5242001118", "Descr": "ELBOW", "BatchNumber": "No data from source"}, {"MaterialNumber": "5242000184", "Descr": "CONNECTING PIECE", "BatchNumber": "No data from source"}, {"MaterialNumber": "007603030101", "Descr": "TEST", "BatchNumber": "No data from source"}, {"MaterialNumber": "007603018101", "Descr": "SEALING RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "0049976736", "Descr": "VALVE DRAIN", "BatchNumber": "No data from source"}, {"MaterialNumber": "000933012051", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "000933010094", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "000934012008", "Descr": "NUT HEX", "BatchNumber": "No data from source"}, {"MaterialNumber": "000908030002", "Descr": "THREAD PLUG", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429130003", "Descr": "O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "000125013012", "Descr": "WASHER", "BatchNumber": "No data from source"}, {"MaterialNumber": "000125010524", "Descr": "WASHER", "BatchNumber": "No data from source"}, {"MaterialNumber": "X52620200081", "Descr": "PUMP ASM WTR HI TEMP CLG CIRCUIT", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "X00019252", "Descr": "GEAR CASE", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "000933012056", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "XZ52602400002", "Descr": "INSTRUCTION ASM FRONT GENERATOR CARRIER", "BatchNumber": "No data from source"}, {"MaterialNumber": "XZ59302000001", "Descr": "GEAR TRAIN AUX PTO END", "BatchNumber": "No data from source"}, {"MaterialNumber": "000125013012", "Descr": "WASHER", "BatchNumber": "No data from source"}, {"MaterialNumber": "000908018002", "Descr": "PLUG", "BatchNumber": "No data from source"}, {"MaterialNumber": "000908038000", "Descr": "THREAD PLUG", "BatchNumber": "No data from source"}, {"MaterialNumber": "000931012203", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "000933012047", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "000933012056", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "000934012008", "Descr": "NUT HEX", "BatchNumber": "No data from source"}, {"MaterialNumber": "000939012023", "Descr": "STUD", "BatchNumber": "No data from source"}, {"MaterialNumber": "007603018101", "Descr": "SEALING RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "007603038101", "Descr": "COPPER SEALING RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "204017016000", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "5241880080", "Descr": "GASKET", "BatchNumber": "No data from source"}, {"MaterialNumber": "5241880102", "Descr": "COVER", "BatchNumber": "No data from source"}, {"MaterialNumber": "5281880080", "Descr": "GASKET", "BatchNumber": "No data from source"}, {"MaterialNumber": "5281880102", "Descr": "COVER", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429083000", "Descr": "O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "X59402400003", "Descr": "EQUIPMENT RACK", "BatchNumber": "No data from source"}, {"MaterialNumber": "007603014102", "Descr": "COPPER SEALING RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "304017008083", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "5281800519", "Descr": "TUBE ASM OIL LINE", "BatchNumber": "No data from source"}, {"MaterialNumber": "700223006000", "Descr": "BOLT BANJO A8 S2000/4000", "BatchNumber": "No data from source"}, {"MaterialNumber": "700325012100", "Descr": "CLAMP HALF TUBE 1/1 D9-12", "BatchNumber": "No data from source"}, {"MaterialNumber": "700327008000", "Descr": "GROMMET", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "080.00094", "Descr": "SEAL ELEM.", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "304017008086", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "5240920024", "Descr": "ELBOW FOR FUEL", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429042000", "Descr": "O-RING", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "080.00095", "Descr": "FUEL PRIMING PUMP", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "304017008087", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "5240900950", "Descr": "PUMP FUEL PRIMING", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429015000", "Descr": "O-RING", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "XS526180.00014", "Descr": "OIL SUPPLY F/TURBOCHARGER", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "X00009917", "Descr": "GASKET", "BatchNumber": "No data from source"}, {"MaterialNumber": "5241806620", "Descr": "OIL LINE FOR OIL RETURN RIGHT", "BatchNumber": "No data from source"}, {"MaterialNumber": "5241806520", "Descr": "OIL LINE FOR OIL RETURN LEFT", "BatchNumber": "No data from source"}, {"MaterialNumber": "23511786", "Descr": "BOLT PHOS HEX FLG LRG 6174M", "BatchNumber": "No data from source"}, {"MaterialNumber": "000934010005", "Descr": "NUT HEX", "BatchNumber": "No data from source"}, {"MaterialNumber": "5240110045", "Descr": "COVER CRANKCASE BREATHER", "BatchNumber": "No data from source"}, {"MaterialNumber": "735210018000", "Descr": "PLUG", "BatchNumber": "No data from source"}, {"MaterialNumber": "X00009917", "Descr": "GASKET", "BatchNumber": "No data from source"}, {"MaterialNumber": "X00021075", "Descr": "TUBE ASM TURBO OIL DRAIN A-BANK", "BatchNumber": "No data from source"}, {"MaterialNumber": "XZ52612500014", "Descr": "ARRANGEMENT CAC LINES", "BatchNumber": "No data from source"}, {"MaterialNumber": "XZ52618000002", "Descr": "ARRANGEMENT OIL SUPPLY FOR TURBO CHARGER", "BatchNumber": "No data from source"}, {"MaterialNumber": "5241870026", "Descr": "FITTING M18X1.5 TO 13/16-16", "BatchNumber": "No data from source"}, {"MaterialNumber": "X00038531", "Descr": "HOSE TURBO OIL SUPPLY 500MM 90DEG", "BatchNumber": "No data from source"}, {"MaterialNumber": "5241870026", "Descr": "FITTING M18X1.5 TO 13/16-16", "BatchNumber": "No data from source"}, {"MaterialNumber": "X52418500006", "Descr": "OIL LINE F/TURBOCHARGER", "BatchNumber": "No data from source"}, {"MaterialNumber": "000934010005", "Descr": "NUT HEX", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "XS526080.00007", "Descr": "EASY-CHANGE FILTER", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "X00042421", "Descr": "FUEL FILTER SPIN-ON", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "XS594080.00002", "Descr": "FILTER HEAD", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "5280700632", "Descr": "FUEL LINE", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429180000", "Descr": "O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "X59308300018", "Descr": "FILTER HEAD", "BatchNumber": "No data from source"}, {"MaterialNumber": "XZ59308000006", "Descr": "FUEL PUMP/FUEL FILTR", "BatchNumber": "No data from source"}, {"MaterialNumber": "000000003326", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "XS594080.00015", "Descr": "FUEL RETURN", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "X00004215", "Descr": "TUBE FUEL RETURN LOW PRESSURE B-BANK", "BatchNumber": "No data from source"}, {"MaterialNumber": "X00034974", "Descr": "TUBE FUEL LOW PRESSURE RETURN", "BatchNumber": "No data from source"}, {"MaterialNumber": "X00035929", "Descr": "TUBE FUEL RETURN CR/OVR 692.559", "BatchNumber": "No data from source"}, {"MaterialNumber": "X00040958", "Descr": "TUBE FUEL RETURN 87.391", "BatchNumber": "No data from source"}, {"MaterialNumber": "X00040963", "Descr": "TUBE FUEL RETURN CR/OVR 819.000", "BatchNumber": "No data from source"}, {"MaterialNumber": "X00040965", "Descr": "TUBE FUEL RETURN LOW PRESSURE A-BANK", "BatchNumber": "No data from source"}, {"MaterialNumber": "X00040966", "Descr": "TUBE FUEL RETURN", "BatchNumber": "No data from source"}, {"MaterialNumber": "X59608400001", "Descr": "BRACKET FUEL RETURN LINE", "BatchNumber": "No data from source"}, {"MaterialNumber": "XZ59408100004", "Descr": "FUEL RETURN", "BatchNumber": "No data from source"}, {"MaterialNumber": "000000001464", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "000000003020", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "000125008427", "Descr": "WASHER", "BatchNumber": "No data from source"}, {"MaterialNumber": "007349008002", "Descr": "WASHER", "BatchNumber": "No data from source"}, {"MaterialNumber": "007603012111", "Descr": "COPPER SEALING RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "135M55009/1", "Descr": "STRAP 75 X20", "BatchNumber": "No data from source"}, {"MaterialNumber": "304017008081", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "304017008083", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "304017008085", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "304017008086", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "304017008087", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "304017008089", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "304032008014", "Descr": "NUT HEX 8 A3C", "BatchNumber": "No data from source"}, {"MaterialNumber": "5500784541", "Descr": "BRACKET FLAT H:06", "BatchNumber": "No data from source"}, {"MaterialNumber": "5511531550", "Descr": "SPACER BUSHING", "BatchNumber": "No data from source"}, {"MaterialNumber": "5551870640", "Descr": "BRACKET L H:51 S2000/4000", "BatchNumber": "No data from source"}, {"MaterialNumber": "5569970274", "Descr": "FITTING TEE", "BatchNumber": "No data from source"}, {"MaterialNumber": "700325010100", "Descr": "CLAMP HALF TUBE", "BatchNumber": "No data from source"}, {"MaterialNumber": "700325018100", "Descr": "CLAMP HALF TUBE 1/1 D9-18", "BatchNumber": "No data from source"}, {"MaterialNumber": "700325018200", "Descr": "CLAMP HALF TUBE 1/1 G8-18", "BatchNumber": "No data from source"}, {"MaterialNumber": "700327006000", "Descr": "GROMMET", "BatchNumber": "No data from source"}, {"MaterialNumber": "700327012000", "Descr": "GROMMET", "BatchNumber": "No data from source"}, {"MaterialNumber": "915006004002", "Descr": "UNION", "BatchNumber": "No data from source"}, {"MaterialNumber": "X00004208", "Descr": "TUBE FUEL RETURN 161.548", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "XS526200.00043", "Descr": "RETAINER", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "000931016096", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "X59307700015", "Descr": "RETAINER", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "XS526200.00044", "Descr": "COOLANT DISTRIB HSG", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "000908014001", "Descr": "SCREW PLUG", "BatchNumber": "No data from source"}, {"MaterialNumber": "000931012143", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "000931016125", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "000933012051", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "007603014102", "Descr": "COPPER SEALING RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429042000", "Descr": "O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429055001", "Descr": "O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429070000", "Descr": "O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429083000", "Descr": "O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "735210014000", "Descr": "THREAD PLUG", "BatchNumber": "No data from source"}, {"MaterialNumber": "X59420600002", "Descr": "COOLANT DISTRIB HSG", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "X00026315", "Descr": "OIL SYSTEM BASIC SCOPE", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "5241870201", "Descr": "TUBE D", "BatchNumber": "No data from source"}, {"MaterialNumber": "5241870276", "Descr": "RETAINER O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "5241870401", "Descr": "TUBE D", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429024002", "Descr": "O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "700429041000", "Descr": "O-RING", "BatchNumber": "No data from source"}, {"MaterialNumber": "X52418400001", "Descr": "RETAINER", "BatchNumber": "No data from source"}, {"MaterialNumber": "X52418400002", "Descr": "RETAINER", "BatchNumber": "No data from source"}, {"MaterialNumber": "X59418400008", "Descr": "OIL SPRAY NOZZLE", "BatchNumber": "No data from source"}, {"MaterialNumber": "XZ52618000006", "Descr": "ARRANGEMENT OIL CLD PISTON", "BatchNumber": "No data from source"}, {"MaterialNumber": "304014008032", "Descr": "HEX SCREW", "BatchNumber": "No data from source"}, {"MaterialNumber": "5241870101", "Descr": "TUBE D", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "X00028741", "Descr": "RESTRICTOR", "BatchNumber": "No data from source", "Children": [{"MaterialNumber": "X00040386", "Descr": "RESTRICTOR", "BatchNumber": "No data from source"}]}, {"MaterialNumber": "200.00248", "Descr": "THERMOSTAT HOUSING", 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1. Service : BOM As Built

Base URL: bom/ {asset Number}

Request

|  |  |
| --- | --- |
| Parameters | Description |
| asset Number | Power pack serial number |

Response

|  |  |
| --- | --- |
| Code | Description |
| 200 | Successful operation |
| 500 | Internal server error |
| 404 | End point not found |

Example

|  |
| --- |
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1. Service : Basic Data

Base URL: field-data/ {asset Number}

Request

|  |  |
| --- | --- |
| Parameters | Description |
| asset Number | Power pack serial number |

Response

|  |  |
| --- | --- |
| Code | Description |
| 200 | Successful operation |
| 500 | Internal server error |
| 404 | End point not found |

Example

|  |
| --- |
| <https://restfollower2.azurewebsites.net/field-data/1000015>  [{"EngineSpeed": 1498.6, "EngineLoad": 56.65, "OilPressure": -172.0, "FuelPressure": 841.4999999999999, "PressureDifferencePastOilFilter": 16.749999999999954, "PressureDifferencePastFuelFilter": -3.0, "CoolantTemperature": 30.24, "LubeOilTemperature": 29.12, "OperatingHours": 979333, "Latitude": 47.6831545, "Longitude": 9.2113815, "Ts": "2018-04-13T12:21:18+00:00"}, {"EngineSpeed": 1498.6, "EngineLoad": 56.65, "OilPressure": -172.0, "FuelPressure": 841.4999999999999, "PressureDifferencePastOilFilter": 16.749999999999954, "PressureDifferencePastFuelFilter": -3.0, "CoolantTemperature": 30.24, "LubeOilTemperature": 29.12, "OperatingHours": 979333, "Latitude": 47.6831545, "Longitude": 9.2113815, "Ts": "2018-04-13T12:21:18+00:00"}, {"EngineSpeed": 1499.9, "EngineLoad": 57.5, "OilPressure": -172.0, "FuelPressure": 841.4999999999999, "PressureDifferencePastOilFilter": 16.749999999999954, "PressureDifferencePastFuelFilter": -3.0, 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1. Service : DocumentList

Base URL: doc-list/ {asset Number}

Request

|  |  |
| --- | --- |
| Parameters | Description |
| asset Number | Power pack serial number |

Response

|  |  |
| --- | --- |
| Code | Description |
| 200 | Successful operation |
| 500 | Internal server error |
| 404 | End point not found |

Example

|  |
| --- |
| https://dtwinapi-dev.mtu-go.com/api/documents/doc-list/1000015  [  {  "ID": "FOL35000000000004EXT43000000000377",  "Source": "SapDOC",  "Type": "SapEquipmentHistoryDeliverySet",  "Revision": "",  "Title": "MITTEILUNG",  "Description": "",  "CreationDate": "2018-10-31T00:00:00+00:00",  "ModifiedDate": "2018-11-05T00:00:00+00:00",  "Link": "document/1000015/FOL35000000000004EXT43000000000377",  "DocumentDownloadLink": "https://restfollower2.azurewebsites.net/document/1000015/FOL35000000000004EXT43000000000377",  "FormattedModifiedDate": "11-05-2018"  },  {  "ID": "FOL35000000000004EXT43000000000411",  "Source": "SapDOC",  "Type": "SapEquipmentHistoryDeliverySet",  "Revision": "",  "Title": "MITTEILUNG",  "Description": "",  "CreationDate": "2018-11-06T00:00:00+00:00",  "ModifiedDate": "2018-11-06T00:00:00+00:00",  "Link": "document/1000015/FOL35000000000004EXT43000000000411",  "DocumentDownloadLink": "https://restfollower2.azurewebsites.net/document/1000015/FOL35000000000004EXT43000000000411",  "FormattedModifiedDate": "11-06-2018"  },  {  "ID": "000440000120",  "Source": "sapwarrantyrecall",  "Type": "SapWarrantyRecallSet",  "Revision": "",  "Title": "Kif document",  "Description": "2018.02.16.0001",  "CreationDate": null,  "ModifiedDate": null,  "Link": "HTTP://WWW.PRORATA-NOW.COM",  "DocumentDownloadLink": "https://restfollower2.azurewebsites.net/HTTP://WWW.PRORATA-NOW.COM",  "FormattedModifiedDate": ""  },  {  "ID": "000440000121",  "Source": "sapwarrantyrecall",  "Type": "SapWarrantyRecallSet",  "Revision": "",  "Title": "Kif document",  "Description": "2018.02.16.0002",  "CreationDate": null,  "ModifiedDate": null,  "Link": "http://www.google.de",  "DocumentDownloadLink": "https://restfollower2.azurewebsites.net/http://www.google.de",  "FormattedModifiedDate": ""  },  {  "ID": "000440000111",  "Source": "sapwarrantyrecall",  "Type": "SapWarrantyRecallSet",  "Revision": "",  "Title": "Kif document",  "Description": "PRO-RATATATA",  "CreationDate": null,  "ModifiedDate": null,  "Link": "http://www.dsc-eishockey.de/",  "DocumentDownloadLink": "https://restfollower2.azurewebsites.net/http://www.dsc-eishockey.de/",  "FormattedModifiedDate": ""  },  {  "ID": "MA30367\_04DE.pdf",  "Source": "TldTim",  "Type": "TalendTimDocumentSet",  "Revision": "04DE",  "Title": "MA30367\_04DE.pdf",  "Description": "Spare Part Catalogue",  "CreationDate": null,  "ModifiedDate": "2018-10-29T00:00:00+00:00",  "Link": "talend-doc/1000015/spare\_parts\_catalogue/MA30367\_04DE.pdf",  "DocumentDownloadLink": "https://restfollower2.azurewebsites.net/talend-doc/1000015/spare\_parts\_catalogue/MA30367\_04DE.pdf",  "FormattedModifiedDate": "10-29-2018"  },  {  "ID": "MA15151\_10E.pdf",  "Source": "TldTim",  "Type": "TalendTimDocumentSet",  "Revision": "10E",  "Title": "MA15151\_10E.pdf",  "Description": "Operation Manual",  "CreationDate": null,  "ModifiedDate": "2018-10-29T00:00:00+00:00",  "Link": "talend-doc/1000015/operation\_manual/MA15151\_10E.pdf",  "DocumentDownloadLink": "https://restfollower2.azurewebsites.net/talend-doc/1000015/operation\_manual/MA15151\_10E.pdf",  "FormattedModifiedDate": "10-29-2018"  },  {  "ID": "A001063\_02E.pdf",  "Source": "TldTim",  "Type": "TalendTimDocumentSet",  "Revision": "02E",  "Title": "A001063\_02E.pdf",  "Description": "Fluids and Lubricants",  "CreationDate": null,  "ModifiedDate": "2018-10-29T00:00:00+00:00",  "Link": "talend-doc/1000015/fluids\_lubricants/A001063\_02E.pdf",  "DocumentDownloadLink": "https://restfollower2.azurewebsites.net/talend-doc/1000015/fluids\_lubricants/A001063\_02E.pdf",  "FormattedModifiedDate": "10-29-2018"  }  ] |

1. Service : Part Information

Base URL: basic-data/ {asset Number}

Request

|  |  |
| --- | --- |
| Parameters | Description |
| asset Number | Power pack serial number |

Response

|  |  |
| --- | --- |
| Code | Description |
| 200 | Successful operation |
| 500 | Internal server error |
| 404 | End point not found |

Example

|  |
| --- |
| <https://restfollower2.azurewebsites.net/part-info/1000015/26545>  {  "Batch": "1680934",  "Consumables": [  {  "ConsumableName": "Oiling"  },  {  "ConsumableName": "Consumable1"  },  {  "ConsumableName": "Cosumable2"  },  {  "ConsumableName": "Cosumable3"  }  ],  "Depth": "556.23 cm",  "EmmissionRelevant": "Bkdtwin123",  "InstalledDate": "07-11-2018",  "Length": "1297.50 cm",  "Link": "document/11223364",  "MaterialId": "12345",  "MaterialNumber": "RPSUK12V1600-2B0",  "PartId": "13456",  "PartName": "PODLAHA\_33\_ASM",  "Parts": [  {  "PartName": "Screw"  },  {  "PartName": "bolt"  },  {  "PartName": "Silencer"  },  {  "PartName": "Winding"  },  {  "PartName": "Part5"  },  {  "PartName": "Part6"  }  ],  "PreviousPartInstalledDate": "07-11-2018",  "PreviousPartName": "PODLAHA\_33\_ASM",  "SerialNumber": "16701003340",  "Source": "SAP",  "Tools": [  {  "ToolName": "screwdriver"  },  {  "ToolName": "Wrench"  },  {  "ToolName": "Spanner"  },  {  "ToolName": "Hammer"  },  {  "ToolName": "Tool5"  },  {  "ToolName": "Tool6"  }  ],  "Weight": "30 kg",  "Width": "556.23 cm"  } |

1. Service : Document Download

Base URL: doctype/ {asset Number}/ {filename}

Request

|  |  |
| --- | --- |
| Parameters | Description |
| asset Number | Power pack serial number |
| Filename | Name of the file to download |

Response

|  |  |
| --- | --- |
| Code | Description |
| 200 | Successful operation |
| 500 | Internal server error |
| 404 | End point not found |

Example

|  |
| --- |
| <https://restfollower2.azurewebsites.net/talend-doc/1000015/fluids_lubricants/A001063_02E.pdf>  Downloads the file as attachment. |

1. Service : 3d Model

Base URL: powerpack json file

Response

|  |  |
| --- | --- |
| Code | Description |
| 200 | Successful operation |
| 500 | Internal server error |
| 404 | End point not found |

Example

|  |
| --- |
| Downloading the static 3d json from azure folder |