Dataform Reverse Mapping & Lineage for Equipment

1. Model_Metadata

Attribute	Value
Model Name	Equipment
Description	Equipment product having information of assets in A2R value stream from MAXIMO .Asset related information is present in detail level.
Granularity	EQUIPMENT_NUM
Refresh Strategy	Full Load
Materialization	Not Specified

2. Source_References

Source Table	Alias	Project	Dataset
`us102762-np-pm-da-25938.QA_MAXIMO.DOCLINKS`	a, ADOC, BDOC	`us102762-np-pm-da-25938`	`QA_MAXIMO`
`us102762-np-pm-da-25938.A2R_STG.ASSET`	b, A, K	`us102762-np-pm-da-25938`	`A2R_STG`
`us102762-np-pm-da-25938.A2R_STG.WORKORDER`	b	`us102762-np-pm-da-25938`	`A2R_STG`
`us102762-np-pm-da-25938.QA_MAXIMO.ASSETANCESTOR`	AA	`us102762-np-pm-da-25938`	`QA_MAXIMO`
`us102762-np-pm-da-25938.QA_MAXIMO.SLB_ASSETEXT`	B	`us102762-np-pm-da-25938`	`QA_MAXIMO`
`us102762-np-pm-da-25938.QA_MAXIMO.SLBTYPE`	C	`us102762-np-pm-da-25938`	`QA_MAXIMO`
`us102762-np-pm-da-25938.QA_MAXIMO.SLB_OPERATIONS`	D	`us102762-np-pm-da-25938`	`QA_MAXIMO`
`us102762-np-pm-da-25938.QA_MAXIMO.SLB_MULTIASSET`	B	`us102762-np-pm-da-25938`	`QA_MAXIMO`

Source Table	Alias	Project	Dataset
`us102762-np-pm-da-25938.QA_MAXIMO.TICKET`	C	`us102762-np-pm-da-25938`	`QA_MAXIMO`

3. CTE_Dependencies

CTE Name	Parent Inputs	Logic	Consumers
:---	:---	:---	:---
`LatestDocsPerAsset`	`us102762-np-pm-da-25938.QA_MAXIMO.DOCLINKS`, `us102762-np-pm-da-25938.A2R_STG.ASSET`, `us102762-np-pm-da-25938.A2R_STG.WORKORDER`	Combines latest document links from `ASSET` and `WORKORDER` tables based on `ROWSTAMP`. It uses a `UNION ALL` and a `row_number()` window function to identify the latest record for each `ASSETNUM`.	The final SELECT statement joins with this CTE to get the latest document information.

4. Join_Details

Left Relation	Join Type	Right Relation	Join Conditions
:---	:---	:---	:---
`(SELECT ... FROM us102762-np-pm-da-25938.A2R_STG.ASSET) A`	INNER JOIN	`(SELECT ... FROM us102762-np-pm-da-25938.A2R_STG.ASSET) K`	`A.EQUIPMENT_NUM=K.ASSETNUM AND A.ROWSTAMP=K.ROWSTAMP`
`A`	LEFT JOIN	`(SELECT ... FROM us102762-np-pm-da-25938.QA_MAXIMO.ASSETANCESTOR) AA`	`A.EQUIPMENT_NUM=AA.ASSETNUM`
`A`	LEFT JOIN	`(SELECT ... FROM us102762-np-pm-da-25938.QA_MAXIMO.SLB_ASSETEXT) B`	`a.ASSETUID = B.ASSETUID`
`A`	LEFT JOIN	`(SELECT ... FROM us102762-np-pm-da-25938.QA_MAXIMO.SLBTYPE) C`	`A.ASSETTYPE = C.ASSETTYPE`
`A`	LEFT JOIN	`(SELECT ... FROM us102762-np-pm-da-25938.QA_MAXIMO.SLB_OPERATIONS) D`	`LTRIM(RTRIM(A.CURRENT_PHYSICAL_LOCATION)) = LTRIM(RTRIM(D.SLB_OPERATIONNUMBER))`
`A`	LEFT JOIN	`(SELECT ... FROM us102762-np-pm-da-25938.QA_MAXIMO.DOCLINKS, LatestDocsPerAsset) DOC`	`LTRIM(RTRIM(A.EQUIPMENT_NUM)) = LTRIM(RTRIM(DOC.ASSETNUM))`
`A`	LEFT JOIN	`(SELECT ... FROM us102762-np-pm-da-25938.QA_MAXIMO.DOCLINKS, us102762-np-pm-da-25938.A2R_STG.WORKORDER) PP`	`LTRIM(RTRIM(A.ASSETUID)) = LTRIM(RTRIM(PP.OWNERID))`

Left Relation	Join Type	Right Relation	Join Conditions
`A`	LEFT JOIN	`(SELECT ... FROM us102762-np-pm-da-25938.A2R_STG.ASSET, us102762-np-pm-da-25938.QA_MAXIMO.SLB_MULTIASSET, us102762-np-pm-da-25938.QA_MAXIMO.TICKET) SJR`	`SJR.ASSETNUM=A.EQUIPMENT_NUM`
`(SELECT ... FROM us102762-np-pm-da-25938.QA_MAXIMO.DOCLINKS) a`	INNER JOIN	`(SELECT ... FROM us102762-np-pm-da-25938.A2R_STG.ASSET) b`	`a.OWNERID = b.ASSETUID` (in `LatestDocsPerAsset` CTE)
`(SELECT ... FROM us102762-np-pm-da-25938.QA_MAXIMO.DOCLINKS) a`	INNER JOIN	`(SELECT ... FROM us102762-np-pm-da-25938.A2R_STG.WORKORDER) b`	`a.OWNERID = b.WORKORDERID` (in `LatestDocsPerAsset` CTE)
`ADOC`	INNER JOIN	`BDOC`	`ADOC.ROWSTAMP = BDOC.ROWSTAMP` (in `DOC` subquery)
`ADOC`	INNER JOIN	`LatestDocsPerAsset X`	`X.ID=ADOC.OWNERID` (in `DOC` subquery)

5. Filters_and_Conditions

Filter/Condition Type	Condition	Location
:---	:---	:---
`WHERE`	`a.OWNERTABLE = 'ASSET' AND a.DOCTYPE = 'Material Cert'`	`LatestDocsPerAsset` CTE, first part of `UNION ALL`
`WHERE`	`a.OWNERTABLE='WORKORDER' AND a.DOCTYPE = 'Material Cert'`	`LatestDocsPerAsset` CTE, second part of `UNION ALL`
`WHERE`	`rnk=1`	`LatestDocsPerAsset` CTE, outer query
`WHERE`	`rnk=1`	`AA` subquery
`WHERE`	`RNK = 1`	`D` subquery
`WHERE`	`DOCTYPE = 'Material Cert'`	`ADOC` subquery in `DOC`
`WHERE`	`DOCTYPE = 'Material Cert'`	`BDOC` subquery in `DOC`
`WHERE`	`OWNERTABLE = 'WORKORDER' and DOCTYPE = 'Material Cert'`	`PP` subquery
`WHERE`	`STATUS IN ('PREJUNK', 'DECOMMISSIONED')`	`SJR` subquery, inner `A`
`WHERE`	`SLB_JUNK_REASON IS NOT NULL`	`SJR` subquery, inner `C`
`WHERE`	`RANK_VALUE = 1`	`SJR` subquery, outer query

6. Output_Columns_Detail

Output Column Name	Derivation Logic	Source Table(s)	Source Column(s)
`EQUIPMENT_NUM`	`a.EQUIPMENT_NUM`	`A` (ASSET)	`EQUIPMENT_NUM` (ASSETNUM)
`SERIAL_NUM`	`a.SERIAL_NUM`	`A` (ASSET)	`SERIAL_NUM` (SERIALNUM)
`EQUIPMENT_ID`	`a.EQUIPMENT_ID`	`A` (ASSET)	`EQUIPMENT_ID` (ASSETID)
`TOPLEVELEQUIPMENT`	`AA.ANCESTOR`	`AA` (ASSETANCESTOR)	`ANCESTOR`
`SITEID`	`AA.SITEID`	`AA` (ASSETANCESTOR)	`SITEID`
`EQUIPMENT_SN_ID`	`a.EQUIPMENT_SN_ID`	`A` (ASSET)	`EQUIPMENT_SN_ID` (SLB_ASSET_SN_ID)
`Activity`	`c.Activity`	`C` (SLBTYPE)	`Activity`
`SUB_FAMILY`	`c.SUB_FAMILY`	`C` (SLBTYPE)	`SUB_FAMILY` (SLB_SUBFAMILY)
`TYPECATEGORY`	`c.TYPECATEGORY`	`C` (SLBTYPE)	`TYPECATEGORY`
`GBV`	`a.GBV`	`A` (ASSET)	`GBV` (SLB_GBV)
`NBV`	`a.NBV`	`A` (ASSET)	`NBV` (SLB_NBV)
`STATUS`	`a.STATUS`	`A` (ASSET)	`STATUS`
`UNIT_FA`	`a.UNIT_FA`	`A` (ASSET)	`UNIT_FA` (SLB_UNIT_FA)
`PM_STATUS`	`a.PM_STATUS`	`A` (ASSET)	`PM_STATUS` (EQ1)
`EQ7`	`a.EQ7`	`A` (ASSET)	`EQ7`
`MAINTENANCE_STATUS`	`a.MAINTENANCE_STATUS`	`A` (ASSET)	`MAINTENANCE_STATUS` (EQ8)
`REASON_OF_PM_STATUS`	`a.REASON_OF_PM_STATUS`	`A` (ASSET)	`REASON_OF_PM_STATUS` (EQ10)
`MFGDATE`	`a.MFGDATE`	`A` (ASSET)	`MFGDATE` (SLB_MFGDATE)
`COMMISSION_DATE`	`a.COMMISSION_DATE`	`A` (ASSET)	`COMMISSION_DATE` (INSTALLDATE)
`MANUFACTURER`	`a.MANUFACTURER`	`A` (ASSET)	`MANUFACTURER`
`PART_NUMBER`	`a.PART_NUMBER`	`A` (ASSET)	`PART_NUMBER` (SLB_ASSETPARTNUM)
`EQUIPMENT_LOCATION`	`a.EQUIPMENT_LOCATION`	`A` (ASSET)	`EQUIPMENT_LOCATION` (LOCATION)
`EQUIPMENT_OWNER_LOCATION`	`a.EQUIPMENT_OWNER_LOCATION`	`A` (ASSET)	`EQUIPMENT_OWNER_LOCATION` (SLB_OWNER_LOCATION)
`EQUIPMENT_TYPE`	`a.ASSETTYPE`	`A` (ASSET)	`ASSETTYPE`
`EQUIPMENT_UID`	`a.ASSETUID`	`A` (ASSET)	`ASSETUID`
`LOCATED_SITE`	`a.SLB_LOCTDSITE`	`A` (ASSET)	`SLB_LOCTDSITE`

Output Column Name	Derivation Logic	Source Table(s)	Source Column(s)
`ASSET_GROUP`	`a.ASSET_GROUP`	`A` (ASSET)	`ASSET_GROUP` (SLB_ASSETGROUP)
`EQUIPMENT_MOVEMENT_STATUS`	`a.EQUIPMENT_MOVEMENT_STATUS`	`A` (ASSET)	`EQUIPMENT_MOVEMENT_STATUS` (SLB_ASSETMOVEMENTSTATUS)
`MODIFICATION_STATUS`	`a.MODIFICATION_STATUS`	`A` (ASSET)	`MODIFICATION_STATUS` (SLB_MOD_STATUS)
`PM_DUE`	`a.PM_DUE`	`A` (ASSET)	`PM_DUE` (SLB_PMDUE)
`FCO_DUE`	`a.FCO_DUE`	`A` (ASSET)	`FCO_DUE` (SLB_FCODUE)
`TECH_ST_COL`	`a.TECH_ST_COL`	`A` (ASSET)	`TECH_ST_COL` (SLB_TECHST_COL)
`TECHNICAL_STATUS`	`a.TECHNICAL_STATUS`	`A` (ASSET)	`TECHNICAL_STATUS` (SLB_TECHSTATUS)
`EQUIPMENT_DESCRIPTION`	`a.EQUIPMENT_DESCRIPTION`	`A` (ASSET)	`EQUIPMENT_DESCRIPTION` (DESCRIPTION)
`EQUIPMENT_STATUS_DATE`	`a.EQUIPMENT_STATUS_DATE`	`A` (ASSET)	`EQUIPMENT_STATUS_DATE` (STATUSDATE)
`EQUIPMENT_CHANGE_DATE`	`a.EQUIPMENT_CHANGE_DATE`	`A` (ASSET)	`EQUIPMENT_CHANGE_DATE` (CHANGEDATE)
`PHYSICAL_LOCATION`	`a.PHYSICAL_LOCATION`	`A` (ASSET)	`PHYSICAL_LOCATION` (SLB_CURR_PHYLOC)
`INSERVICE_DATE`	`a.INSERVICE_DATE`	`A` (ASSET)	`INSERVICE_DATE` (SLB_INSERVICEDATE)
`PARENT`	`a.PARENT`	`A` (ASSET)	`PARENT`
`HAS_SAMPLE`	`a.HAS_SAMPLE`	`A` (ASSET)	`HAS_SAMPLE` (SLB_SPL_HASSAMPLE)
`LOGISTIC_STATUS`	`a.LOGISTIC_STATUS`	`A` (ASSET)	`LOGISTIC_STATUS` (SLB_LOGISTICSTATUS)
`PLUST_MODEL`	`a.PLUST_MODEL`	`A` (ASSET)	`PLUST_MODEL` (PLUSTMODEL)
`PLUST_YEAR`	`a.PLUST_YEAR`	`A` (ASSET)	`PLUST_YEAR` (PLUSTYEAR)
`EDF_STATUS`	`a.EDF_STATUS`	`A` (ASSET)	`EDF_STATUS` (SLB_EDFSTATUS)
`OANUMBER`	`a.OANUMBER`	`A` (ASSET)	`OANUMBER` (SLB_OANUM)
`PRODUCTION_NUMBER`	`a.PRODUCTION_NUMBER`	`A` (ASSET)	`PRODUCTION_NUMBER` (SLB_PRODUCTIONNUMBER)
`TOTAL_COST`	`a.TOTAL_COST`	`A` (ASSET)	`TOTAL_COST` (TOTALCOST)
`TOT_DOWN_TIME`	`a.TOT_DOWN_TIME`	`A` (ASSET)	`TOT_DOWN_TIME` (TOTDOWNTIME)

Output Column Name	Derivation Logic	Source Table(s)	Source Column(s)
`YTD_COST`	`a.YTD_COST`	`A` (ASSET)	`YTD_COST` (YTDCOST)
`LEGACY_ASSETNUM`	`a.LEGACY_ASSETNUM`	`A` (ASSET)	`LEGACY_ASSETNUM` (SLB_LEGACYASSETNUM)
`NEW_ASSETNUM`	`a.NEW_ASSETNUM`	`A` (ASSET)	`NEW_ASSETNUM` (SLB_NEWASSETNUM)
`BUILD_DATE`	`a.BUILD_DATE`	`A` (ASSET)	`BUILD_DATE` (EQ23)
`MODSTATUS_COLOR`	`a.MODSTATUS_COLOR`	`A` (ASSET)	`MODSTATUS_COLOR` (SLB_MODSTATUS_COLOR)
`CompanyCode`	`a.CompanyCode`	`A` (ASSET)	`CompanyCode` (SLB_COMPANYCODE)
`LegalEntity`	`b.LegalEntity`	`B` (SLB_ASSETEXT)	`LegalEntity` (SLB_LEGALENTITY)
`CURRENT_LOCATION_TYPE`	`b.CURRENT_LOCATION_TYPE`	`B` (SLB_ASSETEXT)	`CURRENT_LOCATION_TYPE` (SLB_CURRLOCATIONTYPE)
`DFP`	`b.DFP`	`B` (SLB_ASSETEXT)	`DFP` (SLB_DFP)
`HRS_SINCE_LAST_SL`	`b.HRS_SINCE_LAST_SL`	`B` (SLB_ASSETEXT)	`HRS_SINCE_LAST_SL` (SLB_HRSSINCELASTSL)
`HOURS_PUMP`	`b.HOURS_PUMP`	`B` (SLB_ASSETEXT)	`HOURS_PUMP` (SLB_HRSPUMP)
`HOURS_EDT`	`b.HOURS_EDT`	`B` (SLB_ASSETEXT)	`HOURS_EDT` (SLB_EDT)
`CREATEDBY`	`b.CREATEDBY`	`B` (SLB_ASSETEXT)	`CREATEDBY` (SLB_CREATEBY)
`STAMPED_SN`	`b.STAMPED_SN`	`B` (SLB_ASSETEXT)	`STAMPED_SN` (SLB_STAMPEDSN)
`DOWN_FOR_REPAIR`	`b.DOWN_FOR_REPAIR`	`B` (SLB_ASSETEXT)	`DOWN_FOR_REPAIR` (SLB_DOWNFORREPAIR)
`RIG_NAME`	`d.RIG_NAME`	`D` (SLB_OPERATIONS)	`RIG_NAME` (SLB_RIG_NAME)
`STAMPED_FC`	`b.STAMPED_FC`	`B` (SLB_ASSETEXT)	`STAMPED_FC` (SLB_STAMPEDFC)
`MAX_TEMP`	`b.MAX_TEMP`	`B` (SLB_ASSETEXT)	`MAX_TEMP` (SLB_TEMPMAX)
`MAX_SHOCK_LEVEL`	`b.MAX_SHOCK_LEVEL`	`B` (SLB_ASSETEXT)	`MAX_SHOCK_LEVEL` (SLB_SHOCKMAXLEVEL)
`MAX_DUR_SHOCK`	`b.MAX_DUR_SHOCK`	`B` (SLB_ASSETEXT)	`MAX_DUR_SHOCK` (SLB_SHOCKMAXDUR)
`SHOP_USE_ONLY`	`b.SHOP_USE_ONLY`	`B` (SLB_ASSETEXT)	`SHOP_USE_ONLY` (SLB_SHOPUSEONLY)
`ASSIGNED_CLIENT`	`b.ASSIGNED_CLIENT`	`B` (SLB_ASSETEXT)	`ASSIGNED_CLIENT` (SLB_ASSIGNEDCLIENT)

Output Column Name	Derivation Logic	Source Table(s)	Source Column(s)
`DAMAGED_BEYOND_REPAIR`	`b.DAMAGED_BEYOND_REPAIR`	`B` (SLB_ASSETEXT)	`DAMAGED_BEYOND_REPAIR` (SLB_DAM_BEYOND_REP)
`TOOLSET_DFP`	`b.TOOLSET_DFP`	`B` (SLB_ASSETEXT)	`TOOLSET_DFP` (SLB_TSDFP)
`COMPANY_NAME`	`D.COMPANY_NAME`	`D` (SLB_OPERATIONS)	`COMPANY_NAME` (SLB_COMPANY_NAME)
`DOCLINKSID`	`DOC.DOCLINKSID`	`DOC` (DOCLINKS)	`DOCLINKSID`
`MATERIAL`	`DOC.MATERIAL`	`DOC` (DOCLINKS)	`MATERIAL` (SLB_DMATTACH_MAT)
`MATERIAL_TYPE`	`DOC.MATERIAL_TYPE`	`DOC` (DOCLINKS)	`MATERIAL_TYPE` (SLB_DMATTACH_MTYPE)
`VENDOR`	`DOC.VENDOR`	`DOC` (DOCLINKS)	`VENDOR` (SLB_DMATTACH_VENDOR)
`YIELDSTRENGTH`	`DOC.YIELDSTRENGTH`	`DOC` (DOCLINKS)	`YIELDSTRENGTH` (SLB_DMATTACH_YLD)
`MATERIALCERTDATE`	`DOC.MATERIALCERTDATE`	`DOC` (DOCLINKS)	`MATERIALCERTDATE` (CHANGEDATE)
`DOCUMENT`	`DOC.DOCUMENT`	`DOC` (DOCLINKS)	`DOCUMENT`
`DOC_VERSION`	`DOC.DOC_VERSION`	`DOC` (DOCLINKS)	`DOC_VERSION` (DOCVERSION)
`GETLATEST_VERSION`	`DOC.GETLATEST_VERSION`	`DOC` (DOCLINKS)	`GETLATEST_VERSION` (GETLATESTVERSION)
`OWNER_ID`	`DOC.OWNERID`	`DOC` (DOCLINKS)	`OWNERID`
`OWNER_TABLE`	`DOC.OWNER_TABLE`	`DOC` (DOCLINKS)	`OWNER_TABLE` (OWNERTABLE)
`REFERENCE`	`DOC.REFERENCE`	`DOC` (DOCLINKS)	`REFERENCE`
`SLB_JUNK_REASON`	`SJR.SLB_JUNK_REASON`	`SJR` (TICKET)	`SLB_JUNK_REASON`
`FIELDNAME`	`D.FIELDNAME`	`D` (SLB_OPERATIONS)	`FIELDNAME` (SLB_FIELDNAME)
`OPERATION_STATUS`	`D.OPERATION_STATUS`	`D` (SLB_OPERATIONS)	`OPERATION_STATUS` (SLB_OPERATION_STATUS)
`RIG_TYPE`	`D.RIG_TYPE`	`D` (SLB_OPERATIONS)	`RIG_TYPE` (SLB_RIG_TYPE)
`WELL_NAME`	`D.WELL_NAME`	`D` (SLB_OPERATIONS)	`WELL_NAME` (SLB_WELL_NAME)
`SOURCE`	`"EAR-AA-2392"`	Hardcoded	-
`UPDATED_DATETIME`	`CURRENT_TIMESTAMP()`	System Function	-
`PROCESSING_DATE`	`CURRENT_TIMESTAMP()`	System Function	-
`UPDATED_BY`	`"a2r-data-product-dataform : Equipment.sqlx"`	Hardcoded	-

Output Column Name	Derivation Logic	Source Table(s)	Source Column(s)
`CREATED_DATETIME`	`CURRENT_TIMESTAMP()`	System Function	-
`CREATED_BY`	`"a2r-data-product-dataform : Equipment.sqlx"`	Hardcoded	-

7. Incremental_Logic

Attribute	Value
Incremental Strategy	Not Implemented. The model performs a full load on each run.

8. Additional_Operations

Operation	Details
`GROUP BY`	- Used in subquery `K` on `ASSETNUM` to get the max `ROWSTAMP`.

- Used in `LatestDocsPerAsset` on `ASSETNUM`, `ASSETUID` and `OWNERID`, `DOCTYPE`. |

`Window Function`	- `row_number() over(partition by ASSETNUM order by SRC)` is used in `LatestDocsPerAsset` to select the latest document.

- `row_number() over(partition by OWNERID order by a.ROWSTAMP desc)` is used in `LatestDocsPerAsset` to rank workorder documents.

- `row_number() over(partition by ASSETNUM order by HIERARCHYLEVELS desc)` is used in subquery `AA` to get the top-level ancestor.

- `RANK() OVER (PARTITION BY SLB_OPERATIONNUMBER ORDER BY ROWSTAMP DESC)` is used in subquery `D` to get the latest operation data.

- `RANK() OVER (PARTITION BY UPPER(TRIM(A.ASSETNUM)) ORDER BY C.STATUSDATE DESC,C.TICKETID DESC)` is used in subquery `SJR` to find the latest junk reason. |

`DISTINCT`	Used in subquery `C` to get unique `ASSETTYPE` information from `SLBTYPE`.

9. Column_Descriptions

Column Name	Description
`EQUIPMENT_NUM`	Unique identifier for the equipment.
`SERIAL_NUM`	Serial number of the equipment.

Column Name	Description
`EQUIPMENT_ID`	ID of the equipment.
`TOPLEVELEQUIPMENT`	Top-level equipment in the hierarchy.
`SITEID`	Site ID where the equipment is located.
`EQUIPMENT_SN_ID`	SLB specific equipment serial number ID.
`Activity`	Activity associated with the equipment type.
`SUB_FAMILY`	Sub-family of the equipment type.
`TYPECATEGORY`	Category of the equipment type.
`GBV`	Gross Book Value of the equipment.
`NBV`	Net Book Value of the equipment.
`STATUS`	Current status of the equipment.
`UNIT_FA`	Financial asset unit.
`PM_STATUS`	Preventive Maintenance status.
`EQ7`	Equipment attribute 7.
`MAINTENANCE_STATUS`	Maintenance status of the equipment.
`REASON_OF_PM_STATUS`	Reason for the PM status.
`MFGDATE`	Manufacturing date of the equipment.
`COMMISSION_DATE`	Commissioning date of the equipment.
`MANUFACTURER`	Manufacturer of the equipment.
`PART_NUMBER`	Part number of the equipment.
`EQUIPMENT_LOCATION`	Location of the equipment.
`EQUIPMENT_OWNER_LOCATION`	Location of the equipment owner.
`EQUIPMENT_TYPE`	Type of the equipment.
`EQUIPMENT_UID`	Unique identifier for the equipment (UID).
`LOCATED_SITE`	Site where the equipment is located.
`ASSET_GROUP`	Asset group of the equipment.
`EQUIPMENT_MOVEMENT_STATUS`	Movement status of the equipment.
`MODIFICATION_STATUS`	Modification status of the equipment.
`PM_DUE`	PM due date.

Column Name	Description
`FCO_DUE`	FCO due date.
`TECH_ST_COL`	Technical status color code.
`TECHNICAL_STATUS`	Technical status of the equipment.
`EQUIPMENT_DESCRIPTION`	Description of the equipment.
`EQUIPMENT_STATUS_DATE`	Date of the last status change.
`EQUIPMENT_CHANGE_DATE`	Date of the last change.
`PHYSICAL_LOCATION`	Current physical location of the equipment.
`INSERVICE_DATE`	In-service date of the equipment.
`PARENT`	Parent asset of the equipment.
`HAS_SAMPLE`	Indicates if the equipment has a sample.
`LOGISTIC_STATUS`	Logistic status of the equipment.
`PLUST_MODEL`	PLUST model information.
`PLUST_YEAR`	PLUST year information.
`EDF_STATUS`	EDF status of the equipment.
`OANUMBER`	OA number associated with the equipment.
`PRODUCTION_NUMBER`	Production number of the equipment.
`TOTAL_COST`	Total cost of the equipment.
`TOT_DOWN_TIME`	Total downtime of the equipment.
`YTD_COST`	Year-to-date cost of the equipment.
`LEGACY_ASSETNUM`	Legacy asset number.
`NEW_ASSETNUM`	New asset number.
`BUILD_DATE`	Build date of the equipment.
`MODSTATUS_COLOR`	Modification status color.
`CompanyCode`	Company code associated with the equipment.
`LegalEntity`	Legal entity associated with the equipment.
`CURRENT_LOCATION_TYPE`	Type of the current location.
`DFP`	DFP attribute.
`HRS_SINCE_LAST_SL`	Hours since last SL.

Column Name	Description
`HOURS_PUMP`	Pump hours.
`HOURS_EDT`	EDT hours.
`CREATEDBY`	User who created the record.
`STAMPED_SN`	Stamped serial number.
`DOWN_FOR_REPAIR`	Indicates if the equipment is down for repair.
`RIG_NAME`	Name of the rig.
`STAMPED_FC`	Stamped FC.
`MAX_TEMP`	Maximum temperature recorded.
`MAX_SHOCK_LEVEL`	Maximum shock level recorded.
`MAX_DUR_SHOCK`	Maximum duration of shock recorded.
`SHOP_USE_ONLY`	Indicates if the equipment is for shop use only.
`ASSIGNED_CLIENT`	Client to whom the equipment is assigned.
`DAMAGED_BEYOND_REPAIR`	Indicates if the equipment is damaged beyond repair.
`TOOLSET_DFP`	Toolset DFP.
`COMPANY_NAME`	Name of the company.
`DOCLINKSID`	ID of the document link.
`MATERIAL`	Material information from the document.
`MATERIAL_TYPE`	Type of material from the document.
`VENDOR`	Vendor from the document.
`YIELDSTRENGTH`	Yield strength from the document.
`MATERIALCERTDATE`	Date of the material certificate.
`DOCUMENT`	Document name.
`DOC_VERSION`	Version of the document.
`GETLATEST_VERSION`	Flag to get the latest version.
`OWNER_ID`	Owner ID from the document link.
`OWNER_TABLE`	Owner table from the document link.
`REFERENCE`	Reference from the document link.
`SLB_JUNK_REASON`	Reason for junking the asset.

Column Name	Description
`FIELDNAME`	Name of the field.
`OPERATION_STATUS`	Status of the operation.
`RIG_TYPE`	Type of the rig.
`WELL_NAME`	Name of the well.
`SOURCE`	Source of the data.
`UPDATED_DATETIME`	Timestamp of the last update.
`PROCESSING_DATE`	Timestamp of the processing.
`UPDATED_BY`	User who last updated the data.
`CREATED_DATETIME`	Timestamp of creation.
`CREATED_BY`	User who created the data.

10. End-to-End_Lineage_Summary

Output Column	→ Transformation	→ Source Column(s)	→ Source Table(s)
`EQUIPMENT_NUM`	Passthrough	`ASSETNUM`	`A2R_STG.ASSET`
`SERIAL_NUM`	Passthrough	`SERIALNUM`	`A2R_STG.ASSET`
`TOPLEVELEQUIPMENT`	Derived	`ANCESTOR`	`QA_MAXIMO.ASSETANCESTOR`
`Activity`	Derived	`Activity`	`QA_MAXIMO.SLBTYPE`
`GBV`	Passthrough	`SLB_GBV`	`A2R_STG.ASSET`
`PM_STATUS`	Passthrough	`EQ1`	`A2R_STG.ASSET`
`CompanyCode`	Passthrough	`SLB_COMPANYCODE`	`A2R_STG.ASSET`
`LegalEntity`	Derived	`SLB_LEGALENTITY`	`QA_MAXIMO.SLB_ASSETEXT`
`DOCLINKSID`	Derived	`DOCLINKSID`	`QA_MAXIMO.DOCLINKS`
`SLB_JUNK_REASON`	Derived	`SLB_JUNK_REASON`	`QA_MAXIMO.TICKET`
`SOURCE`	Hardcoded	`"EAR-AA-2392"`	-
`UPDATED_DATETIME`	System Generated	`CURRENT_TIMESTAMP()`	-
`UPDATED_BY`	Hardcoded	`"a2r-data-product-dataform : Equipment.sqlx"`	-
`CREATED_DATETIME`	System Generated	`CURRENT_TIMESTAMP()`	-

Output Column	→ Transformation	→ Source Column(s)	→ Source Table(s)
`CREATED_BY`	Hardcoded	`"a2r-data-product-dataform : Equipment.sqlx"`	-