```
select
eq.ID, …, c_CALIBRATION_INTERVAL
 from EQUIPMENT eq
 left join LABORATORY l on l.id = eq.EQUIPMENT_LABORATORY_ID
 left join LABORATORY ld on ld.id = eq.LABORATORY_DOC_ID
 left join CERTIFICATE c on c.DEVICE_ID_CL = eq.ID
 and c.DISPLAY = 1
 left join USERS_DATA u on u.ID = eq.EQUIPMENT_PARENT_USER_ID
 left join USERS_DATA ud on ud.ID = eq.USER_DOC_ID
  where eq.ARCHIVE in (1)
 and (((eq.CONTROL_MIN_DATE < '06.02.2023' and not eq.CONTROL_MIN_DATE is null)  or
(eq.CONTROL_MIN_DATE is null and eq.COUNT_CERT <> -1)  or (eq.CONTROL_MIN_DATE is
null and eq.COUNT_CERT >= 0)  or (eq.COUNT_CERT_REQUIRE <> eq.COUNT_CERT))
 and ((eq.CONTROL_MIN_DATE < '06.02.2023' and not eq.CONTROL_MIN_DATE is null)  or
(eq.CONTROL_MIN_DATE is null and eq.COUNT_CERT <> -1)  or (eq.CONTROL_MIN_DATE is
null and eq.COUNT_CERT >= 0)  or (eq.COUNT_CERT_REQUIRE <> eq.COUNT_CERT)))
 and ((c.CONTROL = 1 and eq.PASSPORT = 0) or ((c.CONTROL is null or c.CONTROL=1) and
eq.PASSPORT = 1))
  order by eq.EQUIPMENT_PARENT_USER_ID, eq.NAME, eq.TYPE, eq.NUMBER,
eq.NEMBER_INVENTORY
```

```
CREATE OR ALTER VIEW V_CERTIFICATE_SIGNAL(
   DEVICE_ID_CL,
   CERTIFICATE_ID)
AS
select gr0.DEVICE_ID_CL, (case when gr1.id is null then gr0.id else gr1.id end) as
CERTIFICATE_ID
 from (select max(c.ID) as ID, c.DEVICE_ID_CL
      from CERTIFICATE c
       where c.CONTROL = 1
        group by c.DEVICE_ID_CL) gr0
 left join (select c.id, c.DEVICE_ID_CL
        from CERTIFICATE c
         where c.CONTROL = 1 and c."DISPLAY" = 1) gr1 on gr0.DEVICE_ID_CL =
gr1.DEVICE_ID_CL   ;
```

```sql
select
eq.ID, eq.NAME,  eq.CONTROL_MIN_DATE, eq."TYPE", eq.NUMBER,
eq.NEMBER_INVENTORY, eq.PRODUCER, eq.YEAR_BEGIN, eq.NAME_TEST, eq.REMARK,
eq.USER_ID,  eq.DEPARTMENT_ID, eq.TIME_EDIT,
 eq.ARCHIVE, eq.SPECIFICATION, eq.DEVICE_DEPARTMENT_ID, eq.TYPE_SERIES,
eq.DISLOCATION, eq.TYPE_EQUIP, eq.PASSPORT, eq.WARNING,
eq.EQUIPMENT_LABORATORY_ID, eq.COUNT_CERT_REQUIRE,
 eq.CONTROL_MIN_DOC,  eq.EQUIPMENT_PARENT_USER_ID, eq.COUNT_CERT,
l.NAME_SHORT as l_NAME_SHORT_LAB,   eq.LABORATORY_DOC_ID, eq.FIND_TALLY,
eq.DISLOCATION_ORG, eq.USER_DOC_ID,
 u.FULL_NAME as u_EQUIPMENT_USER, ld.NAME_SHORT as l_LABORATORY_DOC,
ud.FULL_NAME as u_USER_DOC
, (case when c.NUMBER_CERT = '-1' then '' else c.NUMBER_CERT end) as c_NUMBER_CERT,
 c.DATE_OPERATION as c_DATE_OPERATION, c.CALIBRATION_INTERVAL as
c_CALIBRATION_INTERVAL
 from EQUIPMENT eq
 left join LABORATORY l on l.id = eq.EQUIPMENT_LABORATORY_ID
 left join LABORATORY ld on ld.id = eq.LABORATORY_DOC_ID
 left join V_CERTIFICATE_SIGNAL vcs on vcs.DEVICE_ID_CL = eq.ID   -- "VIEW"
 left join CERTIFICATE c on vcs.CERTIFICATE_ID = c.ID
 left join USERS_DATA u on u.ID = eq.EQUIPMENT_PARENT_USER_ID
 left join USERS_DATA ud on ud.ID = eq.USER_DOC_ID
   where eq.ARCHIVE in (1)
  and (((eq.CONTROL_MIN_DATE < '07.02.2023' and not eq.CONTROL_MIN_DATE is null)  or
(eq.CONTROL_MIN_DATE is null and eq.COUNT_CERT <> -1)  or (eq.CONTROL_MIN_DATE is
null and eq.COUNT_CERT >= 0)  or (eq.COUNT_CERT_REQUIRE <> eq.COUNT_CERT))
  and ((eq.CONTROL_MIN_DATE < '07.02.2023' and not eq.CONTROL_MIN_DATE is null)  or
(eq.CONTROL_MIN_DATE is null and eq.COUNT_CERT <> -1)  or (eq.CONTROL_MIN_DATE is
null and eq.COUNT_CERT >= 0)  or (eq.COUNT_CERT_REQUIRE <> eq.COUNT_CERT)))
  and ((c.CONTROL = 1 and eq.PASSPORT = 0) or ((c.CONTROL is null or c.CONTROL=1) and
eq.PASSPORT = 1))
  order by eq.EQUIPMENT_PARENT_USER_ID, eq.NAME, eq.TYPE, eq.NUMBER,
eq.NEMBER_INVENTORY
```