

ALICE

<https://its.cern.ch/jira/browse/GASSYSTEMS-217>

ALICE Analysis chain 3 H2O



Many tests done by Louis-Philippe and MattiaV

Different calibration bottle

Different analysers (both Vaisala and chilled mirror)

Same problem.

But the analyser is reading 100 ppm when connected in the ATLAS analysis rack → hint to a problem in the wago ADC? Louis-Philippe is going to check.

<https://its.cern.ch/jira/browse/GASSYSTEMS-246>

ALICE budget details for <2023 consolidation works

Numbers and TIDs now start to be really needed

<https://its.cern.ch/jira/browse/GASSYSTEMS-273>

HMPID gas loss problem

If it is something known by you since three weeks, it would be very useful to inform immediately the experiment, the piquet and myself...and put the info in an elog or ticket

Leak search performed in CR5. What about at detector level?

<https://its.cern.ch/jira/browse/GASSYSTEMS-270>

ALICE MID purifier alarm

What do you think of putting an appointment to trigger next swap during working hours?

Louis-Philippe will ask for a swap during next TS

Flagged for TS2

<https://its.cern.ch/jira/browse/GASSYSTEMS-124>

ALICE-TPC compressor and potential contamination

Looking for new filter

ATLAS

<https://its.cern.ch/jira/browse/GASSYSTEMS-188>

ATLAS RPC - Purifier 1 column A clogging

Still problematic

<https://its.cern.ch/jira/browse/GASSYSTEMS-235>

ATLAS-RPC Purif 3

Left at lower regeneration temperature meanwhile we solve purify 1 problem

<https://its.cern.ch/jira/browse/GASSYSTEMS-252>

MDT gas - question about oxygen

<https://its.cern.ch/jira/browse/GASSYSTEMS-216>

ITk design under discussion

<https://its.cern.ch/jira/browse/GASSYSTEMS-265>

ATLAS MDT small error in EDMS drawing

"Rack 75" mentioned twice, while "Rack 74" is missing -> typo

<https://its.cern.ch/jira/browse/GASSYSTEMS-266>

ATL-TGC nC5H12 supplier

<https://its.cern.ch/jira/browse/GASSYSTEMS-262>

RIX compressor (mainly for CMS CF4)

From previous ticket (<https://its.cern.ch/jira/browse/GASSYSTEMS-88>):

Maria Cristina Arena added a comment - 31/May/24 10:09 AM

3 repair kit for rix compressor at CMS -1 used --> two left? Andrea to check

How many compressors in TRT gas system?

2 in rack+1 spare? --> Kacper to check with Kostya

CMS

<https://its.cern.ch/jira/browse/GASSYSTEMS-228>

Repair kit for compressor spare for R134a recovery: arrived from French supplier

Compressor(s) repaired. Some info in the elog. Put elog link in jira.

<https://edh.cern.ch/Document/SupplyChain/DAI/10287363> 12/7

<https://edh.cern.ch/Document/SupplyChain/DAI/10438653> 25/7

Still waiting spare parts from Italian supplier.

<https://its.cern.ch/jira/browse/GASSYSTEMS-166>

Pump run time

O2 measurement for CF4 absorber module (which analyser? How to connect?)

~~XMFM 2029 reading in CF4 Abs module~~

<https://its.cern.ch/jira/browse/GASSYSTEMS-194>

CF4 recuperation compressor new RIX + compressor HAUG

Andrea contacted the reseller on August 9th.

I contacted on August 16th and I received reply 2 days after. RIX is reviewing their export procedure. Price quotation received on August 30th.

Frederic from easyfluid: 21.5 k compressor + 11.5 k (maintenance kits 2000 h and 8000 h)

From WENEX: 20.2 k

However:

The new compressor is working with an inlet pressure from 2.0-4.8 barg...and our vacuum pumps are not going beyond 1 barg.

For the compressor we use now the inlet pressure range is from 0.2 to 1.7 barg...and it is correct.

So, I'm not sure it will work or at least it will require an intermediate stage of compression from 1 to 2-2.5 barg.

<https://its.cern.ch/jira/browse/GASSYSTEMS-275>

RIX compressor: kits for maintenance

Andrea to order 2-3 kits for RIX as discussed during September 26th meeting

<https://its.cern.ch/jira/browse/GASSYSTEMS-192>

CF4 recuperation compressor maintenance

Did you test with the setup at CMS?

<https://its.cern.ch/jira/browse/GASSYSTEMS-263>

table ok. 11 failures in less than 1 year

RE-4 6804 NOT YET replaced

<https://its.cern.ch/jira/browse/GASSYSTEMS-255>

CMS CF4 recup CF4Abs Col A problem

Since September 7 the column does not reach the setpoint to stop the extraction phase.

Two pumps changed, non return valve dismounted --> problem not solved

Swap of the pumps --> problem not solved

Replace filters? Done yesterday (18/9) with same type?

Status?

Ordered new vacuum sensors?

<https://its.cern.ch/jira/browse/GASSYSTEMS-259>

CMS CF4 recuperation warning/alarms

some warning/alarms should be sent to the piquet phone

to check logic and which warning/alarms

to evaluate if it can be useful (in general) to have a warning on gas balance, i.e. mixer-exhaust

LHCb

<https://its.cern.ch/jira/browse/GASSYSTEMS-123>

RICH1 C4F10 consumption

Any news?

<https://its.cern.ch/jira/browse/GASSYSTEMS-234>

RICH2 CF4 consumption

Status

<https://its.cern.ch/jira/browse/GASSYSTEMS-227>

LHCb UT update condition for DSS

<https://its.cern.ch/jira/browse/GASSYSTEMS-258>

LHCb MWPC Pump module PID to tune

MWPC gas system difficult to restart

GIF++

<https://its.cern.ch/jira/browse/GASSYSTEMS-277>

TGC mixer problem

T10

<https://its.cern.ch/jira/browse/GASSYSTEMS-276>

mixer

CLOUD

All fine?

P&ID to update -> MattiaB

Elec to update -> MattiaB?

ND280
