JIG Committees Update

Ben Harries

JIG Operations Committee Chair, Operations Specialist Air bp

Members of our Operations Committee

Name	Co	Name	Co
Ben Harries (Chair)	BP	Abdou Diop	Vivo Energy
Nan Yanbo	CHV	Anthony Kitson-Smith	Vitol
Gianni Allegretta	ENI	John Thurston	WFS
Nigel A Harris	XOM		
Bill Simpson	KPIAC	*Mark Vaughan **	*IATA*
Stefan Berkus	SH	*Martin Hunnybun **	*EI*
Gilles Gauthier	TO	** invited*	
JIG Support			
Ibon Ibarrola Armendariz			
Andrea Wixey			

You can see who we are and our role in the Aviation Industry on the JIG Website page:

https://www.jig.org/about/jig-committees-and-working-groups/operations-committee/

OpsCom Core Activities

Oversight and updating of the JIG Standards

- Issue 14 preparation and updates
- Bulletins that modify the Standards
- Review of other industry Standards that JIG refers to

Other Technical Publications that support the Standards

- Technical Newsletters
- Technical Information Documents

JIG Inspection Programme

- Inspection Policy
- Inspector Training and Qualification
- Oversight and improvement of JITS
- JITS/Site performance KPIs

Technical content for JIG Member Events and content

- Members' Technical Forum
- Manager Workshops
- Inspector Workshops
- Review of online learning

OpsCom Core Activities

Oversight and updating of the JIG Standards

- Issue 14 preparation and updates
- Bulletins that modify the Standards
- Review of other industry Standards that JIG refers to

- **JIG Bulletin 155 review/update**
- **Update to EI/JIG1530 3rd Edition**
  - Support the review with JIG Inspections data
- **Second edition of EI 1533**
  - **EI 1533 Inspection Checklist** added to EI/JIG 1530 Checklist
- **Approved the online training modules JIG Fundamentals (JIG Learning Hub)**
- **Keep working on the review of items for JIG Issue 14**
  - Over 280 items reviewed, **156 items agreed and approved by OpsCom**
  - **JIG 4**: Inputs from Members to review the Standard “smaller airports”
- **Review all New Filtration Technologies (DDF+EWS, WBF) operational requirements in JIG Standards**
  - FWG reviewing all the filtration sections in JIG with data received from Filtration Survey

OpsCom Core Activities

Other Technical Publications that support the Standards

- Technical Newsletters
- Technical Information Documents

- **New Filtration Technologies Bulletin (coming soon)**
  - Updates on technologies requirements.
- **New TN14 Filtration Field Issues (coming soon)**
  - Summary of issues with WBF filtration.
- **TID #2 & TID #3 are 5 years now**
  - Agreed to update TID#2 in 2025 (filter membrane testing)

OpsCom Core Activities

JIG Inspection Programme

- Inspection Policy
- Inspector Training and Qualification
- Oversight and improvement of JITS
- JITS/Site performance KPIs

- **Monitoring the JIG Inspection Programme**
  - Trend monitoring of JIG Inspection Recommendations
  - Monitor sites with LTS (Less Than Satisfactory) and potential actions
  - Monitor Inspectors that submitted Inspections Report “out of date”
  - Agree topics/items to cover in JIG Inspector Workshops
- **New “Training to Inspect to JIG Standards” Materials/Format/Assessment**
  - All IJS Trainers have been refreshed in Training materials and approach
  - New Training course format implemented and new assessment of candidates
- **Keep updating Issue 13 Inspection Checklist (new Bulletins, etc)**
- **Monitoring the effect of the updated JIG Inspection Policy (RBP)**

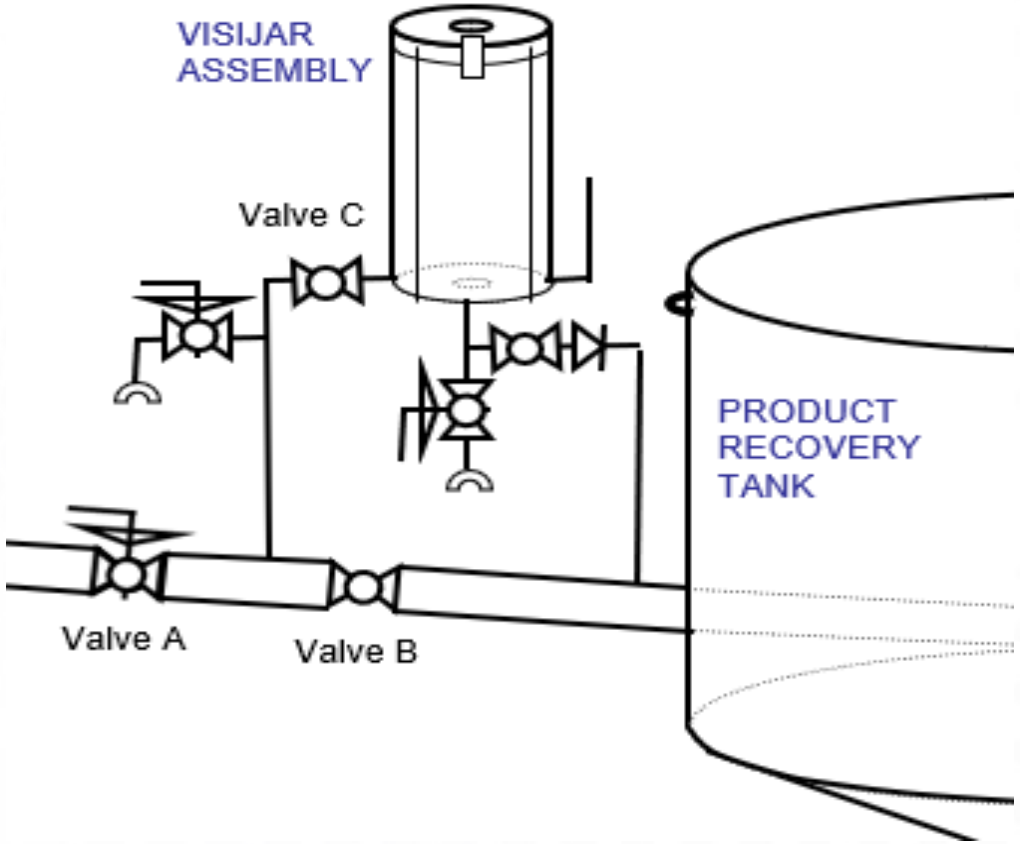
OpsCom Working Groups

- Standards Working Group
- Filtration Working Group
- Additional Working Groups
  SME collaboration

Taking a sample (best practice)

What is the best practice to take a sample from a tank low point?

1. Open A & B, flush, close B, open C
2. Open A & C
3. Open A & B, flush, close A & B, open A & C
4. Open A & B, flush, open C
5. Open A & B, flush, open C, close B



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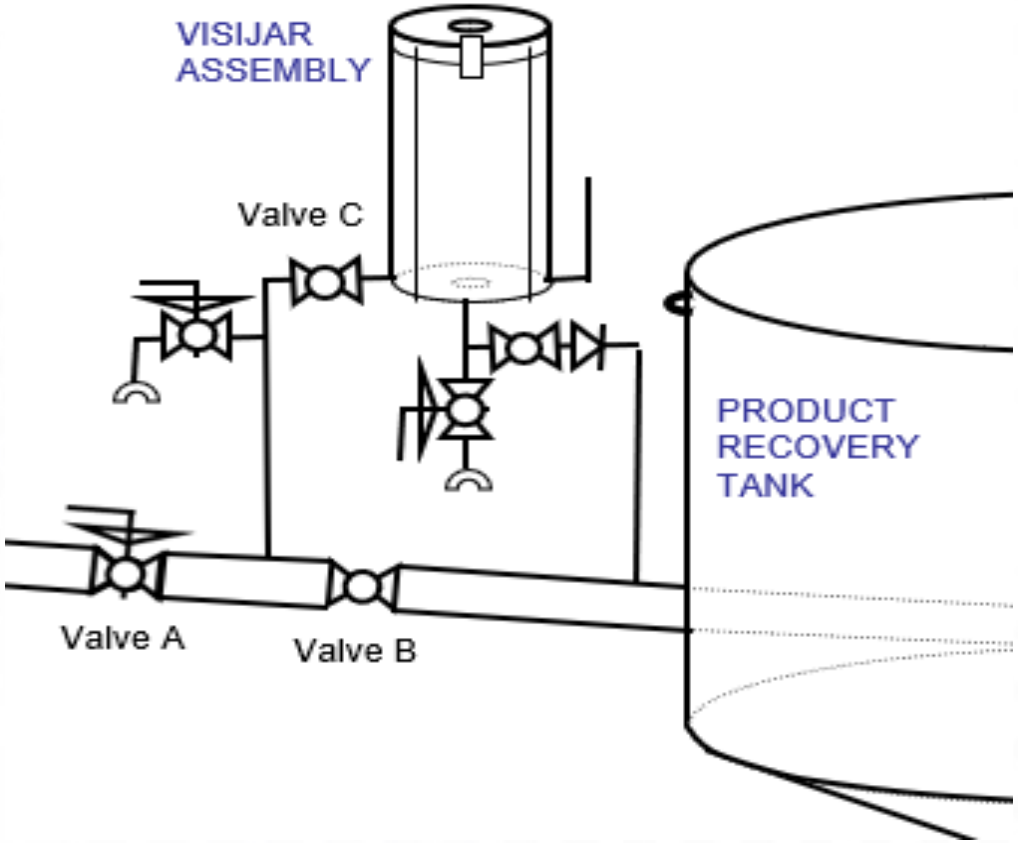
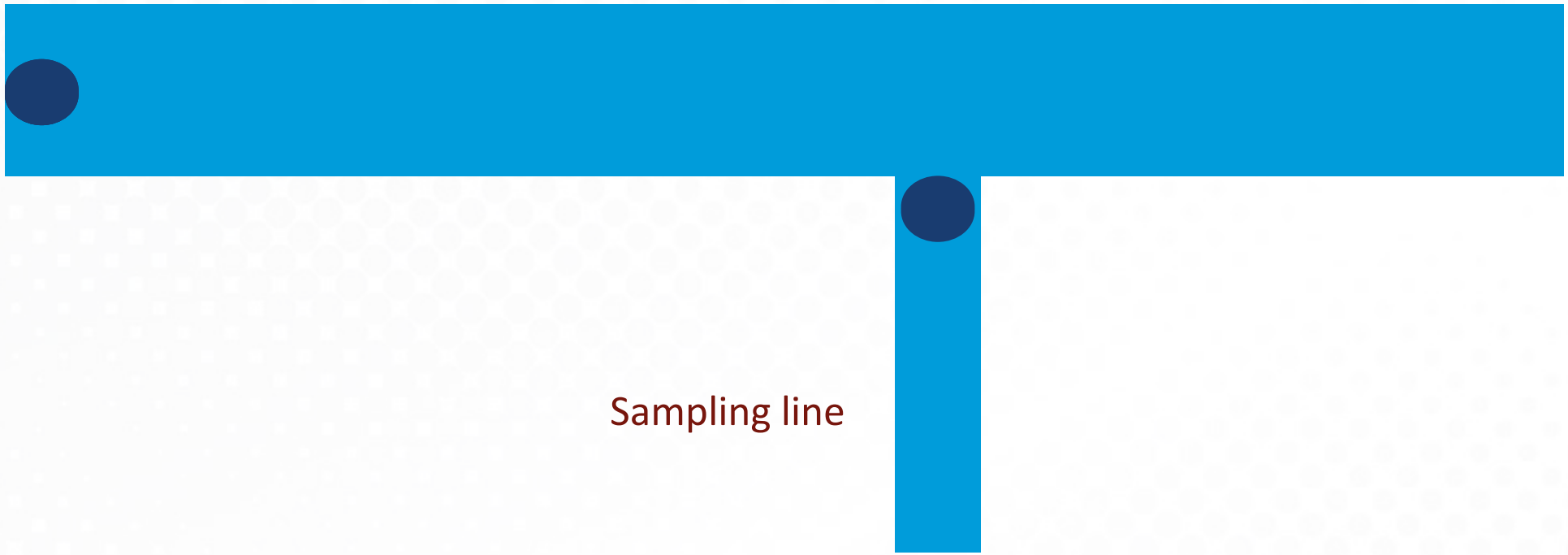


What if flow into the visijar is poor??

Line sampling

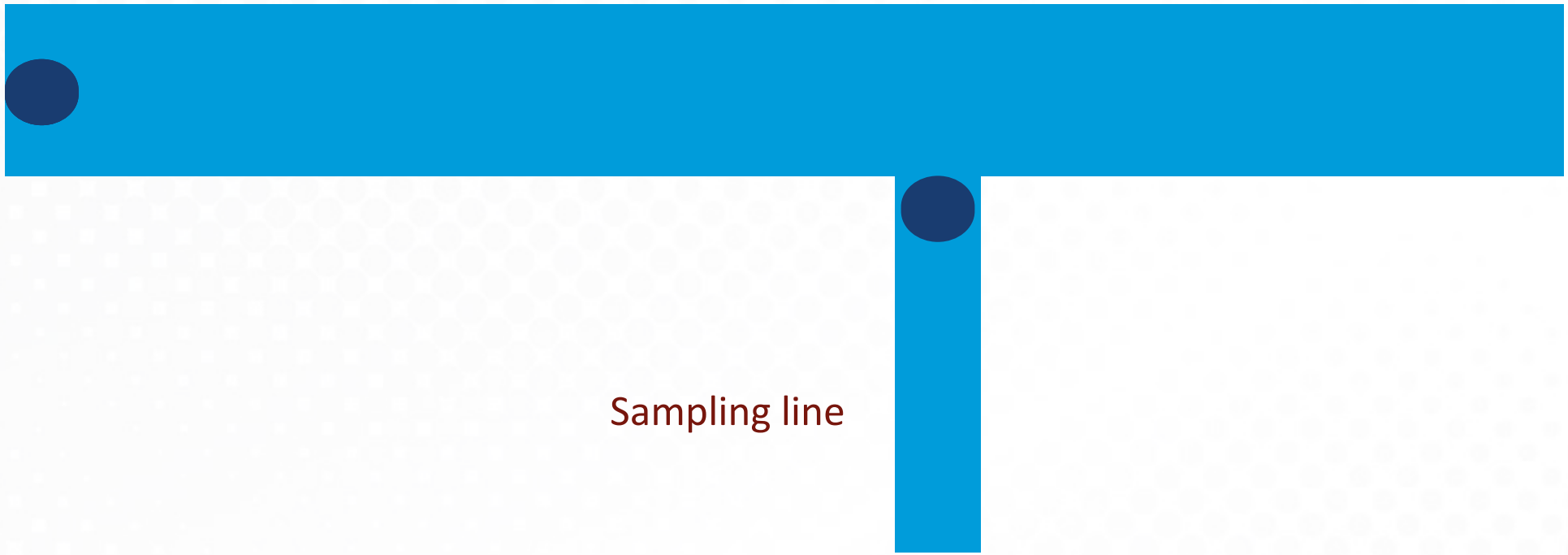
Main line – (the one you want to sample from)



Sampling line

Line sampling (stalling)

Main line – (the one you want to sample from)



Sampling line

Line sampling

Key thoughts

If the equipment is poorly designed or operated without achieving good flushing velocity, it will almost always result in a 'Clear & Bright' sample being drawn…

It does not mean the system contains '**Clear & Bright**' fuel.

We also need to, as a minimum, check for 'enough' line content displacement and encourage generous line content displacement.

Equipment design and how we operate them is key to achieve representative samples, after flushing.

Sampling Records

DAILY STORAGE & FILTER CHECKS JET A-1

AIRPORT TERMINAL

SHEET No 1

DATE 24/02/24

TANK SAMPLES

Date	Tank No	Tank in use Retention Sample No	Temp °C	Cu (pS/m)	Density @ Observed Temp	Density @ 15°C	Drain Sample C	Drain Sample S	Colour & Appearance	Time	Signature and QA number
24/02/24	K1			TANK Not in use							
	K2						N	Nil	CLB	0945	QA 588
	K3						N	Nil	CLB	0115	QA 588
	K4						N	Nil	CLB	0125	QA 588
	K5						N	Nil	CLB	0135	QA 588

RECORD ANY FURTHER TANKS ON STREAM BELOW : RETENTION SAMPLES TO BE HELD FOR 7 DAYS

24/02	K2	38	+30	216	0.7970	0.7882	N	Nil	CLB	0520	
24/02	K4	39	+60	340	0.7980	0.7914	N	Nil	CLB.	1000	
24/2	K5	40	+12°	320	0.7932	0.796	N	Nil	CLB	1100	

Code: Mod.2424-A LP — Edition: 3 — Effective date: 24-Feb-2017

WEEKLY DRAIN OF HYDRANT LOW POINTS FOR JET A-1

Instructions regarding frequency for completing

Airport Facility: ... — Week Nº 27 — From: Day 07 Month 2022 — To: Day 07 Month 2022

Date	Staff Nº	Performance Start Hour	Start Min.	End Hour	End Min.	Element drained (1)	Origin Stor. Fac.	Destination Stor. Fac.	LOCATION	Results quality control: Tank or container	Bridger	Filter Dynamic	Represent. Sample	(2) QUANTITY DRAINED (RS + 120 + 200)	Hydrant flushing vehicles	Remarks	Performed by
07/02/22	32	16	00	16	05	LP01R	TK2	TK3	FUEL FARM	PIT	////	////	245	500	////	CLB	RG
07/02/22	32	16	05	16	10	LP01L	TK2	TK3	FUEL FARM	PIT	////	////	145	500	////	CLB	RG
07/02/22	32	16	10	16	15	LP02R	TK1	TK2	CARGO ACCESS	PIT	////	////	85	500	////	CLB	SC
07/02/22	32	16	15	16	20	LP02L	TK1	TK2	CARGO ACCESS	PIT	////	////	50	500	////	CLB	SC
10/02/22	NO ACCESS / QA CHANGEOVER					LP03R			SOUTH APRON JET BLAST FENCE	PIT	////	////	270		////		SC
10/02/22						LP03L			SOUTH APRON JET BLAST FENCE	PIT	////	////	295		////		SC
07/02/22	32	16	10	16	15	LP04R	TK1	TK2	RIVER NORTH	PIT	////	////	260	500	////	CLB	RG
07/02/22	32	16	15	16	20	LP04L	TK1	TK2	RIVER NORTH	PIT	////	////	255	500	////	CLB	RG
07/02/22	32	16	20	16	25	LP05R	TK1	TK2	RIVER SOUTH	PIT	////	////	190	500	////	CLB	RG
07/02/22	32	16	25	16	30	LP05L	TK1	TK2	RIVER SOUTH	PIT	////	////	225	500	////	CLB	RG
07/02/22	32	16	30	16	35	LP06R	TK1	TK2	V14 GATE	PIT	////	////	105	500	////	CLB	RG
07/02/22	32	16	33	16	40	LP06L	TK1	TK2	V14 GATE	PIT	////	////	85	500	////	CLB	RG
07/02/22	32	16	40	16	45	LP07R	TK1	TK2	VCHY1	PIT	////	////	320	500	////	CLB	RG
07/02/22	32	16	45	16	50	LP07L	TK1	TK2	VCHY1	PIT	////	////	120	500	////	CLB	RG
07/02/22	32	16	55	17	00	LP08	TK1	TK2	STAND 406	PIT	////	////	85	500	////	CLB	RG
07/02/22	32	17	10	17	15	LP09	TK1	—	STAND 405	PIT	////	////	85	500	////	CLB	RG
07/02/22	32	17	00	17	05	LP10R	TK1	TK2	VCHY1 ROAD	PIT	////	////	110	500	////	CLB	RG
07/02/22	32	17	05	17	10	LP10L	TK1	TK2	VCHY1 ROAD	PIT	////	////	115	500	////	CLB	RG
	NO ACCESS					LP11R			GRASS AREA 19	PIT	////	////	197		////		
						LP11L			GRASS AREA 19	PIT	////	////	208		////		
07/02/22	33	16	20	16	25	LP12R	TK1	TK2	GRASS AREA 27	PIT	////	////	405	880	////	CLB	SC
07/02/22	33	16	25	16	30	LP12L	TK1	TK2	GRASS AREA 27	PIT	////	////	414	880	////	CLB	SC

(1) Element purged
FWS = Filter Water
M = Microfilter/Microm
FM = Filter Monitor
LP = Pipe/hydrant low
HP = High Point / Vent
HF = Hydrant flushing vehicle (daily)
HFD = Hydrant flushing vehicle (daily)
HFB = Hydrant flushing vehicle (before operating)
HFA = Hydrant flushing vehicle After operation
TK = Tank
BR = Bridger

(2) Results Quality Control
A = Water in suspension / Free water
B = Clear and bright
C = Solid Contaminants

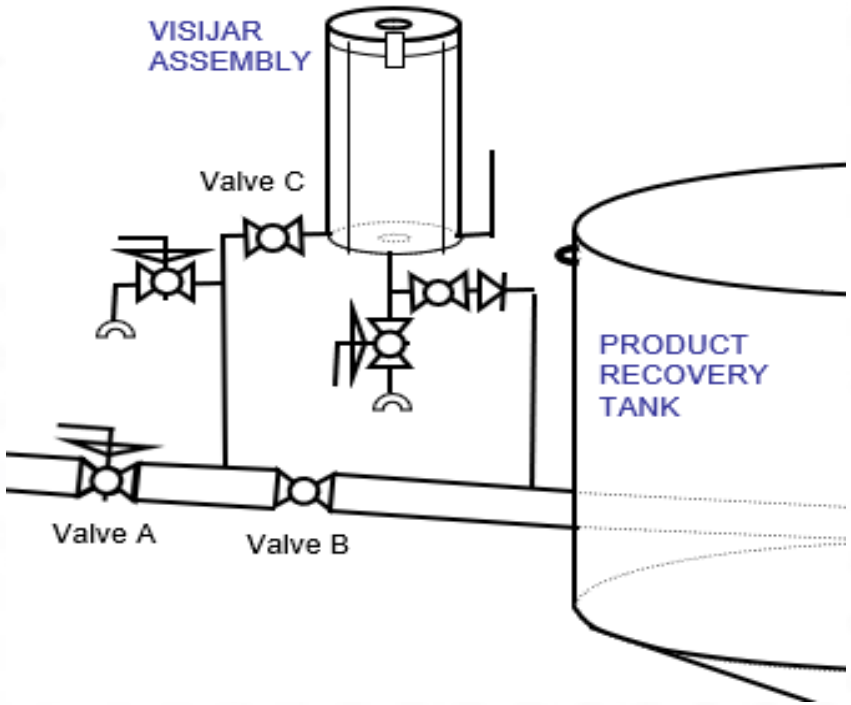
Approval: Name and surname(s)

1/1

Taking a sample

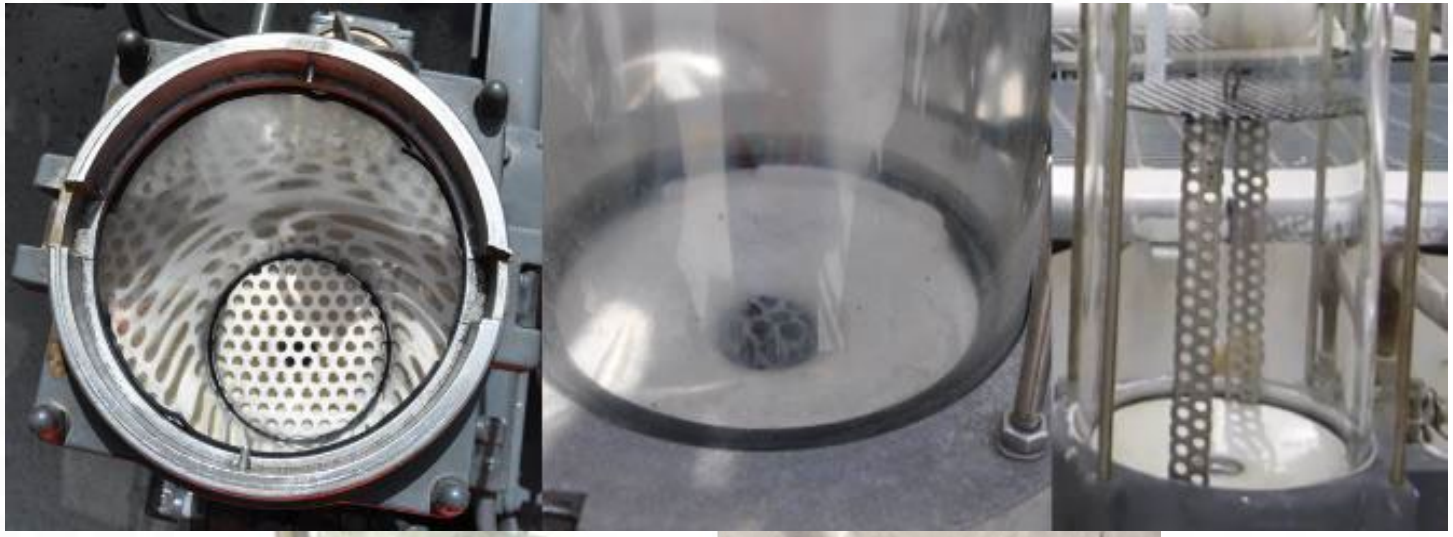
Sampling procedure

What else to consider for best sampling?



Thermometer / Hydrometer inserts

Capsule catchers



Does it *really* matter?

Reminder: Visual Appearance Check

Pre-use checks

- Clean the sample container
- Confirm a ‘representative’ sample taken..... after flushing!

Procedure

- Create a vortex
- Observe the sample thoroughly
  - Dense contaminants congregate at the base
  - Lighter contaminants remain in suspension longer

Don’t

- Rush
- Rely on CWD

Control Check

The primary quality check to determine fuel compliance in dedicated systems is the ‘Control Check’

What is a Control Check??

Control Check	The Control Check consists of a Visual Appearance Check plus density determination with comparison to the expected density.

If fuel contains excess water / particulate, the visual appearance check should identify this

If fuel is contaminated by another grade during transport, the density should change

Control Check

An airport receives fuel by road. Prior to discharge a Control Check is performed.

What density shall the receipt density me compared to?

a) The density on the certificate from the supply tank

b) The density on the supplying tanks ‘Tank release certificate’

c) The density on the ‘release certificate’ from when the vehicle was loaded

d) Any of the above

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Reminder: Incidents during fuellings

Members of our Operations Committee

NEWSFLASH

2 May 2025
2025 / 08

JOINT INSPECTION GROUP

2025 COMMITTEE NOMINATIONS

In order to maintain the valuable Member participation in JIG's activities, we are seeking nominations from Members who wish to be represented on JIG Committees and Working Groups. From July 2025 there will be vacancies on the following Committees:

- Operations Committee, **2 places**
- HSSE Committee, **2 places**
- Product Quality Committee, **1 place**
- Governance Processes Committee, **1 place**

Successful nominees will be given a 2-year mandate. Members should note that 50% of Committee places are free for election every year, thereby giving Members more frequent opportunities to contribute to JIG's work.

All Members of JIG (excluding Guarantor Members) can nominate a suitable person from within their organisation. To ensure that a nominee is suitable, the Member nominee must provide a skills-set summary, available via this **link,** and a short biography using the guidance template provided **here**. This may be used in the event of a ballot being required. Individuals may be nominated to a maximum of two Committees. Existing Member representatives may be nominated again. If selected, Member Representatives are also eligible to be elected Chair of the Committee they serve on.

- **2-member representative** position have completed their 2-year mandate:
- Deadline for nominations is **13th June**
- Voting to commence end of June
- Election results expected **end of July 2025**


Q&A

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