



**MINUTES
GASKET WORKING GROUP
MEETING**

Dates: February March 22, 2018

Time: 9:00 AM – 10:30 AM EST

Vehicle: **Go-to-Meeting**

Present:

Daniel Bisset – W.L. Gore

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Henri Azibert - FSA

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Absent:

Chett Norton – Triangle Fluid

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Jim Drago – Garlock

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Larry Sheffield – Inertech

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Matt Wasielewski – Yarmouth Research

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Reiner Zeuss - SGL Group

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Barry Anderson – Technetics

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1) Approval of Agenda

2) SWG Testing Standard

- **Round Robin Progress**

- **Test results or observations**

- **Results from Garlock – Empak – Yarmouth**
- **A.W. Chesterton – Test is starting this morning - first round will be helium - used a specific anti-seize – plan to sniff the bolts to see what might come off the lubricant - check lubricant off-gassing at different temperatures - will then plan to do methane – Used 200 ft.lbs torque – 3 helium and 2 methane tests planned**
- **AMTEC (they can use differential pressure method as well as sniffer) – One test done so far good response differential pressure method and sniffing - **Frank** to send the results to **Henri** for Distribution to the rest of the group (Used 64KN for load) – Also conducted a test according to ASME B16.20 with good reproducibility between differential pressure and leak detector with methane room temperature and 4 hours.**
- **James Walker – No Updates**
- **Concentration to mass flow rate conversion**
- **Differential pressure method – **Henri** to send presentation in notes for people to review**
- **Second round robin to be organized after all first-round robin results are in and could use several methods**
- **Off-gassing of lubricant – to be checked by Chesterton during test**

3) Handbook

- **Publication on Website**

- **Posted in ESA and FSA websites**

4) KnowledgeBase

- **Folder in SharePoint to collect material**
- **Breaking down of Handbook in Chapters**
- **Training material**
- **Sealing sense – articles will need upload – administrator’s access rights**
- **Other material – resource?**
- **To plan at technical meeting**

5) FSA Standards

- **FSA-MG-501-02 STANDARD –**
- **Steam Test ASTM F2716**
- **M&Y Statement**

1. **files with watermark – Completed – to be posted on website**

6) Industry Standards

- **ASME B16.20 – Edition Year is 2017 - SWG room temperature test – Next Edition will be 2022.**
 - **March meeting**
 - **Remove Double Jacketed gaskets – (Poor performance given as reason)**
 - **Adding Spiral Wound for Other Fittings – Task group formed**
 - **Changes to Figure 1. Spiral Wound Gaskets**
 - **Gaskets for Pipeline – Task group formed – one specific problem is gasket intruding inside the pipe or diameters >22”**
 - **Gasket Stress SW vs. Kamprofile Pipe Flange Gaskets – How to use same torque with B7 or B8 bolts, stress of 80,000 Psi – Adjust gasket width to even out gasket stress goal of 25,000 Psi – Implementation issues to be determined if changes are adopted**
 - **Performance test (24 hours) at rated temperature – Weight loss test – TGA test - minimum requirements for graphite – There is variability in the weight loss test also – could be referring to ASTM test -**
 - **Feed back to provide to committee? Discuss in more details during the Technical Meeting**
 - **API SWG testing adoption**
 - **Phil going to Spring Refining Meeting in Seattle – Any questions send to Phil**
 - **Other types of gasket – (semi-metallic, Kamm profile) – Might be useful to include a second gasket test in second round robin but concentrate on helium/methane measurement issue first**

7) Sealing Sense Articles

1. **Cryogenic – No volunteer yet**
2. **Anti-Seize – Trish Stanislas and Ron Frisard – Wait for test results – Phil to check with Trish target April 15 draft**
3. **Emission service? Go with Test Standard release**
4. **Other**
5. **Other Publications**
 - a. **BIC**
 - b. **KCI**
 - c. **Flow Control**

8) Training – Webinars

1. *Webinars – Anti-seize series – To be worked on*
2. *Emission Summit – Phil still following on*
3. *Valve Users Groups*

9) April Technical Meeting

- i. *April 25 for Gaskets (and 26 for Packing), in Atlanta.*
- ii. *Agenda – Chett to draft – All to send topic*

10) Government Affairs

i. Emission Regulation

1. *EPA – Trying to roll back BOM (Bureau of Land Management) rule? – Various States permitting rules*
 2. *Canada – Methane rule scheduled for this Year – Methane Alliance in Canada – presenting papers possibility*
 3. *Alberta – Looking mostly at gross emitters*
 4. *Mexico Methane regulation*
 5. *IED (Industrial Emissions Directive) BATIS (Best Available Techniques Information System) and Brefs – Upgrade the ESA FSA document on Sealing Technology - gasket, packing updated - need more on Mechanical Seals and on elastomers – Meeting in April with Expansion Joint - Communicate with FSA technical Directors, LDAR comments? – Henri to resend*
- ii. *EDW – European Commission has issued new EDW – Deleted Article 10 of Directive – Article 10 implied mutual recognition of tests (UK, France Germany, Netherland) – A new testing regulation will be part of the Construction Products Regulations (CPR) which bases the test on CEN standards which are therefore full European standards – target for harmonized test for mid-2019 will be issued under EU regulation 305/2001.*
 - iii. *WTO EGA – no movement*

11) LCC

12) Membership

13) Marketing

- i. *promotion of Handbook*
- ii. *FSA, ESA website viewing*

14) Outreach Projects

- i. *VMA – Knowledge Forum 2018 – April 11 - 13 in Georgia - <http://www.vma.org/?page=KnowledgeForum>*

- ii. *HI – Guide books recommendation - Commercial Buildings, packing write-up – Slurry Webinar – Condition Monitoring for rotary pumps – Engineering Data Book – Mechanical Seal Guideline – Variable Speed Drive Training*
- iii. *Emission Summit – June 2018 – <http://americas.fugitive-emissions-summit.com/> - Training opportunities for Monday or Thursday*
- iv. *KCI Pump Summit – next June 2018 – Henri keynote session on Standards – Phil looking for presentations on emissions – Send to Phil or through KCI summit website*
- v. *Industrial Valve Summit 22/23 May 2019 in Bergamo*
- vi. *API – Spring refining in April in Seattle*
- vii. *Power Gen*
- viii. *Chinese Packing and Gasket Association – Keep channels open*
- ix. *Indian Sealing Association*
- x. *VDI -*
- xi. *BHRG – 24th Fluid Sealing Conference – No feedback from this group*
- xii. *ISA (International Society of Automation) doing an LDAR fugitive emission symposium in Galveston TX - No feedback from this group*
- xiii. *4C Health, Safety, and Environmental Conference, SAN ANTONIO, TEXAS / APR. 3-5, 2018 - <https://www.4cconference.com/>*

15)New Business

16)Next meeting

- i. *Technical Meeting April 25, 2018, 9:00 AM EST – Organize GoToMeeting at the same time for European Colleagues – Organize agenda to have common topics first*

17)Adjournment

hva 3/22/18