



**MINUTES
GASKET WORKING GROUP
MEETING**

Dates: August 28, 2018

Time: 9:00 AM – 10:30 AM EST

Vehicle: Go-to-Meeting

Present:

Stephen Woolfenden – Eriks Group NV

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Ron Frisard – A.W. Chesterton

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Greg Cole - A.W. Chesterton

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Greg Raty – Slade

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Jim Drago – Garlock

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Henri Azibert - FSA

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Absent:

Jacque Manders – South West Research

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Chett Norton – Triangle Fluid

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David Mitchell - ESA

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Martin Coulthard – James Walker

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Laverne Fernandes – Garlock

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Matt Bonagura – A.W. Chesterton

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Chiara Sozzi – General Packing

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Carl Jones – W.L. Gore
Randy Wacker – InnerTech
Reiner Zeuss - SGL Group
Barry Anderson – Technetics
Juan Mayer – Empak Spirotallic Mexicana SA DE CV
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1) Approval of Agenda

2) SWG Testing Standard

- **Round Robin Progress**

- **Test results or observations**

- **Results from Garlock – Empak – Yarmouth**
- **Testing complete but report to be received - A.W. Chesterton, working on graphs - AMTEC/James Walker in process – Please send the reports to Henri for compilation when completed.**
- **Concentration and mass flow rate class levels determination – 25 ppm for class 1 - class 2 at 50 PPM**
- **Mass flow rate measurement is still under consideration**
 - **TaLuft should be minimum requirement**
 - **For helium it would be best to use mg/m/s and not give concentration. The sniffer can be calibrated with the concentration to measure accurately – TaLuft will go 10^{-2} using mean diameter of gasket – possibly use the equivalent ppm level – one inch diameter valve stem for 100 ppm is equivalent to the value of 0.0137mg/m/s – Can use B16.20 method or differential pressure method**
 - **Calculate the corresponding mass flow rate for our size (using B16.20 method) and evaluate how they are reasonable and compare to what TaLuft would require for that size gasket – Matt gets 0.0146 mg/s for 50 ppm**
 - **Use the gasket outside diameter largest winding since B16.20 is using it. Gaskets we tested, 3” 300# flange, OD is 149.4 mm (5.866”) using Hamilton paper 50 ppmV = .003215 mg/m/s and 25 ppmV = .001607 mg/m/s. **All** to double check calculation an methodology – **Henri** to include Hamilton paper in the notes**
- **Phil was to draft into noting PCC-1 methodology and to add nomenclature warning for pressurized flammable gas – **Ron and Chett** will follow up**

- *Second round robin - Consensus during last meeting was to test both Kammprofile and a low quality –*
- *Test facilities, Chesterton, Garlock, James Walker, Yarmouth Research – AMTEC – Empack - Also possibility of Southwest Research*
- *Triangle Fluid will provide samples - Henri to forward addresses of where to send*

3) Handbook

- *Publication on Website*
 - *Posted in ESA and FSA websites*

4) KnowledgeBase

- *Folder in SharePoint to collect material*
- *Training material uploaded need editing*
- *Chett broke down handbook into sections – Posted on SharePoint – All to look at topics and volunteer – Maybe we assign sections during the Annual meeting*
- *Sealing sense – articles will need upload – administrator’s access rights easy to set up – need volunteers*

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 - Chett to double check with Hope*

6) Industry Standards

- *ASME B16.20 – Edition Year is 2017 - SWG room temperature test, and elimination of double jacketed gaskets –Next Edition will be 2022.*
- *Fall Meeting Monday, October 1, 2018 - B16 Subcommittee G - 8:00 AM – 12:00 PM - Hilton Denver City Hotel (1701 California, Denver, CO 80202). Joel Baulch (Teadit) appointed as vice chair of subcommittee G*
- *API SWG testing adoption*
 1. *Other types of gasket – (Kammprofile) second round robin*

2) Sealing Sense Articles

- i. *Repurpose Tightness article? Ron looked into it – mostly directed to European needs – Another article possible on bolting*
- ii. *Emission service? Go with Test Standard release*
- iii. *Other Publications*
 1. *BIC*
 2. *KCI*
 3. *Flow Control*

7) Training – Webinars

1. *Webinars – Anti-seize / K factor series - Discussion with Tom Blake at Jet-Lube – on the radar – Ron followed-up with Trish Stanislas – More to follow*

8) **Government Affairs**

i. Emission Regulation

1. *Mexico – Draft released – prepared some comments – review by Government Affairs now – Empak Spirotallic Mexicana SA DE CV mention in comments OK and can help on translation*
 2. *Pennsylvania permits, went into effect on Aug. 8, 2018 include methane recovery requirement*
 3. *California, Ohio, Colorado, Wyoming. Keep monitoring*
 4. *Canada – regulations respecting reduction in the release of Methane and Certain volatile Organic Compounds released April 26, 2018 - Implementation is 2020 – Alberta proposed regulation - we submitted comments on 5/27/18 proposing lower limits for repairs on flanges for LDAR program*
 5. *IED (Industrial Emissions Directive) BATIS (Best Available Techniques Information System) and Brefs – Upgrade the ESA FSA document on Sealing – Some comments sent out - David issued new document draft – Henri to include in next meeting notice*
- 2) *DWD – Drinking Water Directive (DWD) in Europe. The Commission is sticking to its view that Construction Products Regulations (CPR) will solve the problem of multiple testing of materials and products used in drinking water. This despite there are no CPR rules and tests for Pumps, Valves, Gaskets and many other common items. Keep Monitoring – EDW association lobbying for changes and one single test*
 - 3) *Environmental Goods – Tariffs trade wars - full blown with Europe and Canada — New \$200 billion round will include a lot of raw materials that are used in gaskets (10% tariff) include things like graphite, rubber, etc. – New agreement with Mexico to investigate*

9) LCC – *maybe after KnowledgeBase*

10) **Membership**

- i. Klinger – Ron talked to R&D manager, conflict for Montreal meeting but interested in Technical meeting next spring - Possibility*
- ii. SGL - Chett*

11) **Marketing**

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

12) **Outreach Projects**

- i. VMA -*
- 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 – Lunch and Learn variable speed effect on mechanical seals*
- iii. Emission Summit - KCI Pump Summit – Valve World America 2019*
- iv. Valve World 2018– Dusseldorf November*
- v. Industrial Valve Summit 22/23 May 2019 in Bergamo*
- vi. API - Need to contact on the Gasket test standard for the fall refining meeting – may need to wait till we have Kammpfile results first*
- vii. MSS interest in the gasket test – Lucas following up but nothing much going on the gasket side*
- viii. Power Gen – no plans*
- ix. Chinese Packing and Gasket Association – Keep channels open*
- x. Indian Sealing Association*
- xi. VDI -*
- xii. BHRG*
- xiii. ISA*

13) **New Business**

14)Next meeting

i. Tuesday September 25, 9:00 AM EST

15)Adjournment

hva 8/28/18