

Sequence X  
ASTM D8729

Ford Chain Wear Test  
Surveillance Panel Meeting Minutes

February 27, 2025

Prepared by: Alfonso Lopez, SP Chairman

Agenda

1. Roll Call
2. Approval of minutes
3. OH report – Introduction of new chain tensioners.

Meeting Minutes

Attendance list attached – Appendix 2

Minutes from the 11/25/24 meeting approved unanimously.

Motion – Al Lopez

Second – Mike Deegan

O&H Report – Jason Soto

1. Meeting minutes from the 02/20/25 O&H group are attached: Appendix 1

Introduction of new chain tensioner – Discussion

1. Inventories of the original chain tensioner are depleted. The labs will be out of tensioners within a year.
2. Lang – the labs will eventually need to switch over to the new tensioner.
3. A replacement aluminum tensioner is available as a direct replacement.

- a. Deegan – The replacement tensioner is a direct replacement of the original. The tensions and lubrication is the same.
- b. Concern was expressed by the group on the differences in piston diameter and ratcheting mechanism. It was agreed to bring the tensioners into service with some type of reference strategy.

From OH minutes below are the options discussed:

1. Bring in the Aluminum tensioner with a single reference, one TMC270 run and one TMC271 discrimination run. For each stand.
2. Back-to-back comparison of cast iron and aluminum tensioner runs on TMC270 with no discrimination run. For each stand.
3. Back-to-back comparison of cast iron and aluminum tensioner runs on TMC270 with one discrimination run on TMC271.
4. Allow cast iron tensioners to be used indefinitely. Lubrizol will distribute surplus.

From the options there was an interest from several panel members for option 3. This strategy confirms the performance of the tensioner in a back to back run. Push back on this option was seen due to the additional calibration test that is required. Option 1 was discussed and a motion made by Eickstead.

**Motion: Christine Eickstead**

**Second: George Szappanos**

Bring in the Aluminum tensioner with a single reference, one TMC270 run and one TMC271 discrimination run, for each stand. (Aluminum part number GB5Z-6K254-A or FC / GB5E-6K254-AA)

New tensioners can only be used on a stand that was referenced with them. A stand referenced with the new tensioner has to continue usage of the same tensioner for the duration of that calibration period.

Approve = 8

Negative = 2

Waives = 4

Motion passes.

**Action item:** TMC to issue an information letter to edit the part number of the tensioner and the motion to use the tensioners.

## Appendix 1

### Sequence X OH Task Force

#### Teleconference Minutes

02/20/2025 @ 10:30-11:30 CST

#### 1. Attendance:

Christopher Tonstad (Infineum)	Michael Deegan (Ford)
Dan Lancot (TEI)	Jeff Hsu (Shell)
Jason Bowden (OHT)	Jason Soto (Intertek)
Christine Eickstead (SWRI)	Robert Stockwell (Oronite)
Al Lopez (Intertek)	Amanda Stone (Afton)
Pat Lang (SWRI)	
Rich Grundza (TMC)	
Sean Moyer (TMC)	
Layne Tierney (Afton)	
Na Tyrer (GM)	
George Szappanos (Lubrizol)	
Ricardo Affinito (Chevron)	

#### 2. Agenda:

- Discuss the introduction of the new timing chain tensioner design. (Jason Soto)

#### 3. Minutes:

Jason Soto: Presented photos of cast iron and aluminum tensioners. Discussed visual differences between designs.

Robert Stockwell: Asked about dimensional differences between tensioners.

Michael Deegan: Pulled up design drawings to show some dimensional differences between tensioners. Aluminum tensioners use a 2mm shorter fasting bolt.

Robert Stockwell: Additional internal measurements of both tensioners should be taken.

George Szappanos: Offered to distribute some of his inventory of cast iron tensioners if needed.

Discussion to introduce new tensioners:

5. Bring in the Aluminum tensioner with a single reference, one TMC270 run and one TMC271 discrimination run. For each stand.
6. Back-to-back comparison of cast iron and aluminum tensioner runs on TMC270 with no discrimination run. For each stand.
7. Back-to-back comparison of cast iron and aluminum tensioner runs on TMC270 with one discrimination run on TMC271.
8. Allow cast iron tensioners to be used indefinitely. Lubrizol will distribute surplus.

The Appendix includes the presentation that was reviewed during this meeting.

4. **Next Meeting:** Surveillance Panel Meeting 02/27/2025 @10am CST

5. **Appendix:**

## Timing Chain Tensioner



Only the steel tensioners pictured on the right are approved for Sequence X testing. The aluminum tensioners are expected to be approved in the future.

- 2018 tensioner on the left and 2016 on the right.
- The timing chain tensioner is a critical batched component for the chain wear test. Only the 2016 style batched tensioners should be used for CW.



## Appendix 2

### Attendance List

Sequence X Surveillance Panel Meeting		
February 27, 2025		
	Attendance	
Porter, Christian <Christian.Porter@AftonChemical.com>		Afton
Martin Chadwick Intertek <martin.chadwick@intertek.com>		IAR
Dan Lanctot <DLanctot@tei-net.com>	x	TEI
Dave Passmore	x	IMTS
Mathew Bowden		OHT
Jason Bowden <jhbowden@OHTech.com>	x	OHT
'Rich Grundza' (reg@astmtmc.cmu.edu)	x	TMC
Jason Soto Intertek <jason.soto@intertek.com>	x	IAR
Martinez, Jo G. (jogm) <JoMartinez@chevron.com>		Chevron
J.Hsu@shell.com	x	Shell
Samuel Seth Demel	x	Shell
Gleason, Joseph <Joseph.Gleason@lubrizol.com>		Lubrizol
Kostan, Travis G. <travis.kostan@swri.org>		SWRI
Ed Hennessy	x	Haltermann
Khaled , Zreik Khaled.zreik@gm.com		GM
<a href="mailto:michael.a.scudiero@exxonmobil.com">Scudiero, Michael A &lt;michael.a.scudiero@exxonmobil.com&gt;</a>		ExxonMobil
<a href="mailto:luca.salvi@exxonmobil.com">Salvi, Luca &lt;luca.salvi@exxonmobil.com&gt;</a>		ExxonMobil
Amol C Savant <ACSavant@valvoline.com>		Valvoline
Eickstead, Christine M. <christine.eickstead@swri.org>	x	SWRI
'Bob.Campbell@aftonchemical.com'		Afton
Amanda Stone	x	Afton
Jason Lekavich		Afton
Patrick M. Lang <patrick.lang@swri.org>	x	SWRI
Stockwell, Robert T (Robert.Stockwell@chevron.com)	x	Chevron
Bill Buscher Intertek <william.buscher@intertek.com>		IAR
Ritchie, Andrew <Andrew.Ritchie@Infineum.com>		Infineum
Todd Dvorak	x	Infineum
Joe Anthony		Infineum
Rais, Khaled <khaled.rais@swri.org>		SWRI
Stevens, Andrew <Andrew.Stevens@Lubrizol.com>		Lubrizol
Matthews, Tim <Tim.Matthews@uk.bp.com>		BP
preston.tarry@bp.com		BP
Lopez, Alfonso <al.lopez@intertek.com>		Intertek
Deegan, Michael (M.D.) <mdeegan@ford.com>		Ford
<a href="mailto:michael.lochte@swri.org">Lochte, Michael D. &lt;michael.lochte@swri.org&gt;</a>		SWRI
George Szappanos	x	LZ
Tony Catanese		LZ
Timothy Cushing <timothy.cushing@gm.com>		GM
Wingert, Dean (D.) <dwingert@ford.com>		Ford
Michael Luhard		Afton
Ben Maddock		Afton
Angela Willis		Infineum
Haing Tang		Chrysler
Bill Bovensiep		Haltermann Carless
Joseph Hoen		Afton
na.tyrer@gm.com	x	GM
Ricardo Affinito	x	Chevron
<a href="mailto:sam@astmtmc.org">sam@astmtmc.org</a> , Sean Moyer	x	TMC
<a href="mailto:Christopher.Tonstad@Infineum.com">Tonstad, Christopher &lt;Christopher.Tonstad@Infineum.com&gt;</a>	x	Infineum
Tierney, Layne <Layne.Tierney@AftonChemical.com>	x	Afton
Venkat Deshpande (TEMA) <venkat.deshpande@toyota.com>	x	Toyota
Wesley N. Venhoff <wnv@astmtmc.org>	x	TMC
Dilen Beck		
Sid Clark		