

Hello Luke.

Chris Raines will have the most comprehensive set of reports, unfortunately he is out on holiday until 2nd November, when do you need them by?

Regards

Kevin Maile

Engineering Design Supervisor
CV VHM 1 Structures, VHM 2 and VHM 5
6-Sigma Black Belt
Ford of Europe
Tel: 01268 402972
e-mail: kmaile@ford.com

Ford Motor Company Limited. Registered in England No 235446. Registered Office: Arterial Road, Laindon, Essex, SS15 6EE

From: Brodbeck, Luke (L.) <LBRODBEC@ford.com>
Sent: 20 October 2023 12:54
To: Maile, Kevin (K.) <kmaile@ford.com>
Cc: McDonald, Harry (H.J.) <hmc dona1@ford.com>; Kaminski, Allan (A.) <akamins1@ford.com>; Raines, Chris (C.) <craines4@ford.com>; Moffat, John (J.) <jmoffat@ford.com>
Subject: RE: Fox Classic - Balanceshaft Belt Drive - DV Test Results

Kevin,

Sorry to bother you about this but can you help answer the questions below.

Do you have the durability teardown reports for F1FG-6B651-AA/F1FG-6C777-AD balanceshaft belt/tensioners?
Do you know if we were using vehicle equivalent flywheel inertias for all the engine dyno durability tests?

Luke Brodbeck

Cam Drive/VCT - Subject Matter Expert
[REDACTED]

From: Moffat, John (J.) <jmoffat@ford.com>
Sent: Friday, October 20, 2023 3:20 AM
To: Brodbeck, Luke (L.) <LBRODBEC@ford.com>
Cc: McDonald, Harry (H.J.) <hmc dona1@ford.com>; Kaminski, Allan (A.) <akamins1@ford.com>; Raines, Chris (C.) <craines4@ford.com>; Maile, Kevin (K.) <kmaile@ford.com>
Subject: RE: Fox Classic - Balanceshaft Belt Drive - DV Test Results

Yes Luke

The engine was originally signed off without a balance shaft (manual transmission only) - and these are the reports that are stored in EDVPR. Reports for the belt drive system with 6f15 would have been held by the component engineer or TS: Chris Raines and Kevin Maile at the time..

John Moffat

Fox & Gemini Engine Systems and Program Office Supervisor

To: Brodbeck, Luke (L.) <LBRODBEC@ford.com>; Moffat, John (J.) <jmoffat@ford.com>

Cc: McDonald, Harry (H.J.) <hmc dona1@ford.com>

Subject: RE: Fox Classic - Balanceshaft Belt Drive - DV Test Results

CONFIDENTIAL BUSINESS INFORMATION

Hi John,

Would you know what system the sign-off data and teardown reports would be stored in please?

Thanks

Allan

From: Brodbeck, Luke (L.) <lbrodbec@ford.com>

Sent: 25 September 2023 17:47

To: Kaminski, Allan (A.) <akamins1@ford.com>

Cc: McDonald, Harry (H.J.) <hmc dona1@ford.com>; Hindley, Richard (R.J.) <rhindley@ford.com>

Subject: Fox Classic - Balanceshaft Belt Drive - DV Test Results

Allan,

Do you have an evidence folder with DV results for Fox Classic balanceshaft belt drive?

Luke Brodbeck

Cam Drive/VCT - Subject Matter Expert

Ford Motor Company

ICE Propulsion Engineering

Email: lbrodbec@ford.com

From: Moffat, John (J.) [jmoffat@ford.com]
Sent: 10/20/2023 12:06:56 PM
To: Brodbeck, Luke (L.) [lbrodbec@ford.com]; Maile, Kevin (K.) [kmaile@ford.com]
CC: McDonald, Harry (H.J.) [hmcdona1@ford.com]; Kaminski, Allan (A.) [akamins1@ford.com]; Raines, Chris (C.) [craines4@ford.com]
Subject: RE: Fox Classic - Balanceshaft Belt Drive - DV Test Results
Attachments: XG_6375_00335746.pdf

John Moffat

Fox Engine Systems and Program Office Supervisor

Mail drop: GB-15/3A-Q06

Address: Dunton Technical Centre, Laindon, Basildon, Essex, SS15 6EE

Fordnet: 8738 2990

Ford Motor Company Limited. Registered in England: No.235446,

From: Moffat, John (J.)
Sent: 20 October 2023 12:59
To: Brodbeck, Luke (L.) <LBRODBEC@ford.com>; Maile, Kevin (K.) <kmaile@ford.com>
Cc: McDonald, Harry (H.J.) <hmcdona1@ford.com>; Kaminski, Allan (A.) <akamins1@ford.com>; Raines, Chris (C.) <craines4@ford.com>
Subject: RE: Fox Classic - Balanceshaft Belt Drive - DV Test Results

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Fox & Gemini Engine Systems and Program Office Supervisor

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Cc: McDonald, Harry (H.J.) <hmcdona1@ford.com>; Kaminski, Allan (A.) <akamins1@ford.com>; Raines, Chris (C.) <craines4@ford.com>; Moffat, John (J.) <jmoffat@ford.com>
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Luke Brodbeck

Cam Drive/VCT - Subject Matter Expert
Cell: (313) 701-2743

From: Moffat, John (J.) <jmoffat@ford.com>
Sent: Friday, October 20, 2023 3:20 AM
To: Brodbeck, Luke (L.) <LBRODBEC@ford.com>
Cc: McDonald, Harry (H.J.) <hmc dona1@ford.com>; Kaminski, Allan (A.) <akamins1@ford.com>; Raines, Chris (C.) <craines4@ford.com>; Maile, Kevin (K.) <kmaile@ford.com>
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Dunton Technical Centre, Laindon, Basildon, Essex, SS15 6EE
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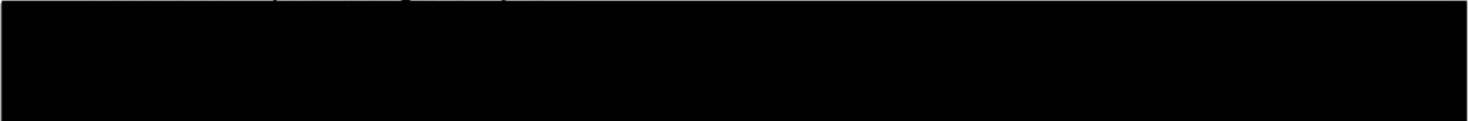
From: Brodbeck, Luke (L.) <LBRODBEC@ford.com>
Sent: 19 October 2023 18:50
To: Moffat, John (J.) <jmoffat@ford.com>
Cc: McDonald, Harry (H.J.) <hmc dona1@ford.com>; Kaminski, Allan (A.) <akamins1@ford.com>
Subject: RE: Fox Classic - Balanceshaft Belt Drive - DV Test Results

John,
The report you sent is for the wrong Fox engine that only has an oil pump belt (no mechanical tensioner). We are looking for oil pump/balanceshaft belt drive which also has a tensioner from the engine shown below which was paired with 6F15 transmission.

I only have access to the engines I worked on in eDVPR so I'm locked out from finding anything on my own.

From: Moffat, John (J.) <jmoffat@ford.com>
Sent: Tuesday, September 26, 2023 4:00 AM
To: Kaminski, Allan (A.) <akamins1@ford.com>; Brodbeck, Luke (L.) <LBRODBEC@ford.com>
Cc: McDonald, Harry (H.J.) <hmc dona1@ford.com>
Subject: RE: Fox Classic - Balanceshaft Belt Drive - DV Test Results

eDVPR holds the test plan and sign off reports:



I found one teardown inspection/ETAG report (attached) - it was less than informative

Component teardown pics from PASCAR and Durability tests were generally retained by the component team and TS. So Kevin Maile, Chris Raynes may be able to help

John Moffat

Fox & Gemini Engine Systems and Program Office Supervisor
Mail drop: GB-15/3A-Q06
Dunton Technical Centre, Laindon, Basildon, Essex, SS15 6EE
Fordnet: 8738 2990
Ford Motor Company Limited. Registered in England: No.235446

From: Kaminski, Allan (A.) <akamins1@ford.com>
Sent: 26 September 2023 07:51
To: Brodbeck, Luke (L.) <LBRODBEC@ford.com>; Moffat, John (J.) <jmoffat@ford.com>
Cc: McDonald, Harry (H.J.) <hmc dona1@ford.com>
Subject: RE: Fox Classic - Balanceshaft Belt Drive - DV Test Results

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To: Kaminski, Allan (A.) <akamins1@ford.com>
Cc: McDonald, Harry (H.J.) <hmc dona1@ford.com>; Hindley, Richard (R.J.) <rhindley@ford.com>
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Luke Brodbeck

Cam Drive/VCT - Subject Matter Expert

Ford Motor Company

ICE Propulsion Engineering

Email: Lbrodbec@ford.com





TECHNICAL REPORT

FORD FOX O/P DRIVE

FUNCTIONAL ANALYSIS ON O/P DRIVE

Dunton (UK)

May 2015

DAYCO Europe s.r.l.
TESTING DEPARTMENT

Technical Report n°:
TD 746

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Join by phone

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[Global call-in numbers](#) | [Toll-free calling restrictions](#)

Join from a video system or application

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If you are a host, [REDACTED] and login site to view host information.

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T32MC04

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## **TECHNICAL REPORT**

### **FORD FOX O/P DRIVE**

**FUNCTIONAL ANALYSIS ON O/P DRIVE**

*Dunton (UK)*

*May 2015*

**DAYCO Europe s.r.l.**  
*TESTING DEPARTMENT*

Technical Report n°:  
**TD 746**

# Ford FOX TAL250 tensioner

Update - 06 October 2023

## 06 October 2023 update



**Thank you**  
For more information, visit [www.dayco.com](http://www.dayco.com)



**From:** Owen Dailey [Owen.Dailey@dayco.com]  
**Sent:** 10/3/2023 5:49:18 PM  
**To:** Brodbeck, Luke (L.) [LBRODBEC@ford.com]  
**CC:** Federico Licata [Federico.Licata@dayco.com]; Massimiliano Delli Rocioli [Massimiliano.DelliRocioli@dayco.com]  
**Subject:** RE: Fox Tensioner - Open Issues Meeting with Dayco  
**Attachments:** 20231003 Dayco Timing Belt - Fabric change option.pdf

**WARNING:** This message originated outside of Ford Motor Company. Use caution when opening attachments, clicking links, or responding.

Luke,

Attached is the presentation that was shared on the timing belt fabric alternative option. I haven't received the presentation on the timing belt tensioner yet.

As mentioned in the meeting, all 7 tensioners and 5 belts will be sent direct to our production location in Ivrea, Italy. From there, Federico can send the returned belts to our belt plant in Italy, which is located about 6 hours away.

The UPS tracking number for the shipment is [REDACTED]

Regards,  
Owen

---

**From:** Brodbeck, Luke (L.) <LBRODBEC@ford.com>  
**Sent:** Tuesday, October 3, 2023 1:24 PM  
**To:** Owen Dailey <Owen.Dailey@dayco.com>; Marzia Trane <Marzia.Trane@dayco.com>; Federico Licata <Federico.Licata@dayco.com>  
**Cc:** Glen Wood <Glen.Wood@dayco.com>; Riggs, Gregory (G.L.) <GRIGGS5@ford.com>; Knott, Tim (.) <tknott@ford.com>; McDonald, Harry (H.J.) <hmc dona1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Barry Altman <Barry.Altman@dayco.com>; Marco Vacca <Marco.Vacca@dayco.com>; Chris Buddington <Chris.Buddington@dayco.com>  
**Subject:** RE: Fox Tensioner - Open Issues Meeting with Dayco

**[EXTERNAL]** Use extreme caution when clicking on links or opening attachments.

Dayco Team,  
Can you please send out the presentations that were shared today?

**Luke Brodbeck**  
Cam Drive/VCT - Subject Matter Expert  
[REDACTED]

-----Original Appointment-----

**From:** Brodbeck, Luke (L.)  
**Sent:** Thursday, September 14, 2023 3:49 PM  
**To:** Brodbeck, Luke (L.); Owen Dailey; Altman, Barry; Marzia Trane; Marco Vacca; Federico Licata; Chris Buddington; Riggs, Gregory (G.L.); Knott, Tim (.); McDonald, Harry (H.J.); Adam, Paul (P.J.)  
**Cc:** Glen Wood  
**Subject:** Fox Tensioner - Open Issues Meeting with Dayco  
**When:** Tuesday, October 3, 2023 9:00 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** WebEx

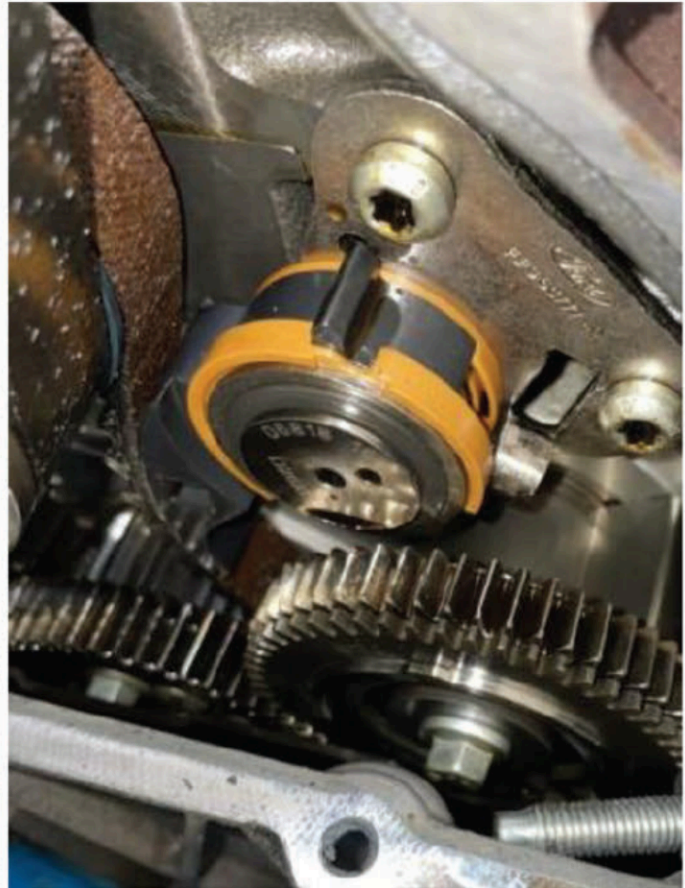
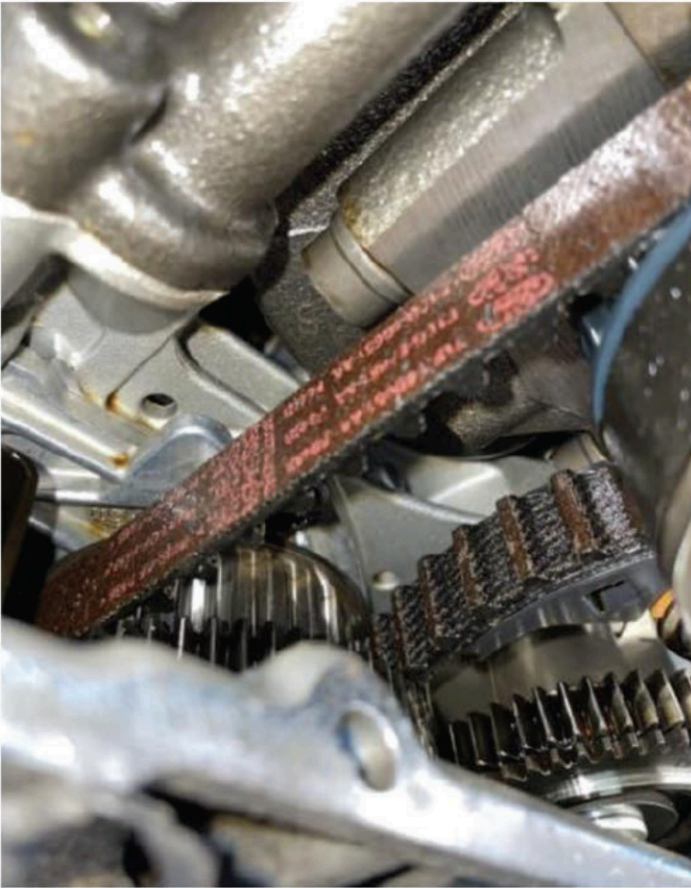












**Luke Brodbeck**

Cam Drive/VCT - Subject Matter Expert

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**From:** Brodbeck, Luke (L.)

**Sent:** Thursday, September 14, 2023 3:49 PM

**To:** Brodbeck, Luke (L.); Owen Dailey; Altman, Barry; Marzia Trane; Marco Vacca; Federico Licata; Chris Buddington; Riggs, Gregory (G.L.); Knott, Tim (.); McDonald, Harry (H.J.); Adam, Paul (P.J.)

**Cc:** O'Shea, Brady (B.)

**Subject:** Fox Tensioner - Open Issues Meeting with Dayco

**When:** Tuesday, September 19, 2023 9:00 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).

**Where:** WebEx

Agenda:



# Ford – Chemical Analysis

22/10/2021

**Thank you**  
For more information, visit [www.dayco.com](http://www.dayco.com)





## **TECHNICAL REPORT**

### **FORD FOX O/P DRIVE**

**FUNCTIONAL ANALISYS ON O/P DRIVE**

*Dunton (UK)*

*May 2015*

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Technical Report n°:  
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