



A PROVEN PARTNERSHIP

100 Barr Harbor Drive ■ West Conshohocken, PA 19428-2959

Telephone: 610-832-9500 ■ Fax: 610-832-9555 ■ e-mail: service@astm.org ■ Website: www.astm.org**Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS**

Chairman: N DAVID SMITH, North Carolina Dept Of Agric, 2 West Edenton St, PO Box 27647, Raleigh, NC 27611, (919) 733-3313, FAX: 919-715-0524, Email: david_smith@ncdamail.agr.state.nc.us

First Vice Chairman: SUSAN E. LITKA, UOP Research Center, 50 East Algonquin Road, PO Box 5016, Des Plaines, IL 60017-5016, (847) 391-3390, FAX: 847-391-3330

Second Vice Chairman: KURT H. STRAUSS, 69 Brookside Rd, Portland, ME 04103, (207) 773-4380, FAX: 207-775-6214

Secretary: KENNETH O. HENDERSON, Cannon Instrument Co, PO Box 16, State College, PA 16804-0016, (814) 353-8000, FAX: 814-353-8007, Email: kenohenderson@worldnet.att.net

Assistant Secretary: W JAMES BOVER, Exxon Biomedical Sciences, Mettlers Rd Cn2350, East Millstone, NJ 08875-2350, (732) 873-6318, FAX: 732-873-6009, Email: mailto:james.bover@ere.exxon.sprint.com

Staff Manager: EARL R. SULLIVAN, (610) 832-9709, Email: esulliva@astm.org

November 08, 2009

TO: Mack HTCT (D5579) S. P. Membership and Mailing List

SUBJECT: Mack HTCT SP Meeting Minutes, October 1st, 2009, by Conference Call

THIS DOCUMENT IS IN THE PROCESS OF DEVELOPMENT AND IS FOR ASTM COMMITTEE USE ONLY. IT SHALL NOT BE REPRODUCED OR CIRCULATED OR QUOTED, IN WHOLE OR IN PART, OUTSIDE OF ASTM COMMITTEE ACTIVITIES EXCEPT WITH THE APPROVAL OF THE CHAIRMAN OF THE COMMITTEE HAVING JURISDICTION AND THE PRESIDENT OF THE SOCIETY. *COPYRIGHT ASTM, 100 BARR HARBOR DRIVE, WEST CONSHOHOCKEN, PA 19428-2959. ALL RIGHTS RESERVED.*

Call to order:

Brian Koehler, the chairman of the Mack High Temperature Cyclic Test ASTM Surveillance Panel called the meeting to order by conference call at 9:00 a.m. Eastern time on October 1st, 2009.

Chairman's Comments:

The chairman sent out a meeting announcement in advance. See attachment 1. This meeting was held to address part number changes which are being made by Volvo. Many of the part numbers listed in the procedure are being changed from Mack format to Volvo format. See the meeting announcement for Mr. Tom Bryson's comments on the changes. They are considered to be editorial only. Lab E must now purchase some of the parts with the new Volvo numbers so action must be taken quickly to keep their tests valid.

Discussed Configuration 1 builds:

The group discussed how the changes would be made in the standard by information letter. It was suggested that the configuration 1 part numbers be dropped from the standard since they were not available. A motion was made by Dale Smith to drop the configuration 1 parts and all reference to configuration 1 from the standard. Motion was seconded by Jerry Gropp. Motion passed; 5 for, none against, no waives.

Part number changes:

There was much discussion concerning the part number changes. All wanted to be sure that the number changes do not relate to physical part changes. Several wanted to come up with an efficient way to incorporate the new numbers without having to address them every few months. (The number changes could be coming in over several years). A motion was eventually made by Brian Koehler and seconded by Dale Smith.

Brian Koehler will put together a spread sheet and send it to Tom Bryson. It will list all part numbers that are changing to the Volvo format. Tom is asked to review the list, add to it as needed, verify that each is a format change only and not a part design change, and respond back to the panel with his findings. Assuming Tom states that the numbers are editorial changes only, Brian will then send the approved spread sheet to the TMC to be used to issue an information letter which will add the Volvo part numbers to the standard. The effective date will be Tom's response date. Each lab agrees to inspect the affected parts the first time they are received to assure that the part.

number change does not correlate to a physical change in the part. This motion passed; 4 for, no waives, with the TMC abstaining.

The above was completed on about October 5th. The spread sheet can be found as attachment 2.

Old Business:

There was no old business to be discussed.

New Business:

There was no new business to be discussed.

Next Meeting:

The next meeting will be at the call of the chairman.

Adjournment:

Meeting was completed at 10:15 am.

Submitted by:



Brian Koehler
Mack HTCT Surveillance Panel Chairman
Southwest Research Institute
6220 Culebra Road
San Antonio, TX 78238-5166

clm
Attachments

Brian Koehler

From: Brian Koehler [brian.koehler@swri.org]
Sent: Wednesday, September 30, 2009 1:03 PM
To: 'Gropp, Jerrold'; 'Art Sanchez (asanchez@swri.org)'; 'bruce.mcglone@arvinmeritor.com'; 'Cory Koglin (Cory.Koglin@aftonchemical.com)'; 'Dale Smith (Dale.Smith@intertek.com)'; 'Don Bell (Don.Bell@AftonChemical.com)'; 'Akucewich, Edward'; 'Mike Kasimirsky (mtk@astmtmc.cmu.edu)'; 'Graziano, Ricki'; 'Greene, Galen'; 'Allen Comfort (allen.s.comfort@us.army.mil)'; 'Bridget Brosnan (bridget.brosnan@us.army.mil)'; 'dml@astmtmc.cmu.edu'; 'Joe Guzikowski (joe.guzikowski@dana.com)'; 'greg.fett@dana.com'; 'John Dharte (dhartej@aam.com)'; 'Chintan Ved (cved@ford.com)'; 'Tom Bryson (thomas.bryson@volvo.com)'; 'thelmaemarougy@eaton.com'; 'NON-LZ GRINFIELD BECKY'; 'Clayton Knight (cknight@tei-net.com)'; 'Dick Kuhlman (Dick.Kuhlman@AftonChemical.com)'; 'Chambers, Harold'; 'Joan Petit (joan.petit@gm.com)'; 'Michael Haire (mhaire@chevron.com)'; 'Percy Kanga (percy.r.kanga@exxonmobil.com)'; 'Stephen Eliot (stephen.w.eliot@exxonmobil.com)'; 'William Sullivan (wtsullivan@comcast.net)'; 'Willie Givens (willie.a.givens@exxonmobil.com)'; 'Keiter, Jennifer'; 'Korpi Misich, Diane'; 'X-John Huron'; 'X-Don Bartlett'; 'samuel.higuchi@aftonchemical.com'; 'Whitticar, David'
Cc: 'Wendy Grubbs (wendyg@sae.org)'; 'fmf@astmtmc.cmu.edu'; Matt Jackson
Subject: RE: Mack HTCD S.P. Conference call, October 1st, 2009
Attachments: Mack trans parts list 9-29-09.xls

This is just a reminder that our Mack HTCD S.P. will have a conference call on October 1st at 9:00am Eastern time. The dial in information is listed below.

I have attached an Excel spread sheet. It has all part numbers which are listed now in ASTM D5579 with comments and revisions as needed.

Mr. Tom Bryson of Volvo may not be able to join us but he did have the following two comments:
 Brian, You can share the information below. Note that the parts have not changed, just the part number and drawing number to align with the Volvo numbering system. Regards, Tom

All part numbers are being changed to a number in the Volvo numbering system. The parts are exactly the same, made from the same prints and specifications. Here is a reference for most of the parts -- new (old). I didn't have time to look up all of them.

25500623 (301KC33), 25498886 (301KC34), 25501259 (301KC243C), 25500385 (301KC35), 25132811 (320KB459A), 25097624 (495KB367), 25086462 (495KB361), 25100071 (629KB53A), 25500176 (629KB417), 25500633 (629KB335A), 25501461 (629KB331A), 25500680 (107KD247).

Sorry for the confusion. In case you ever need to ask about any changes in parts you will find there are also different drawing numbers, such that the old Mack number has a new part number and a new drawing number. All of the new drawing numbers refer to the old Mack number. Regards, Tom

I will talk with you tomorrow.

Regards,
 Brian P. Koehler
 Principal Engineer
 Southwest Research Institute
 P.O. Drawer 28510, Zip: 78228-0510
 9503 West Commerce, Zip: 78227
 San Antonio, TX USA
 Building 209
 Tel: 210-522-3588

Fax: 210-684-7523

Cell: 210-213-2761

The information in this email may be proprietary and may contain protected business information. This email is intended to be reviewed and used only by the individual or organization named above. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, and any use or disclosure of the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by email or telephone and permanently delete this email from your system.

From: Brian Koehler [mailto:brian.koehler@swri.org]

Sent: Monday, September 28, 2009 9:40 AM

To: 'Gropp, Jerrold'; 'Art Sanchez (asanchez@swri.org)'; 'bruce.mcglone@arvinmeritor.com'; 'Cory Koglin (Cory.Koglin@aftonchemical.com)'; 'Dale Smith (Dale.Smith@intertek.com)'; 'Don Bell (Don.Bell@AftonChemical.com)'; 'Akucewich, Edward'; 'Mike Kasimirsky (mtk@astmtmc.cmu.edu)'; 'Graziano, Ricki'; 'Greene, Galen'; 'Allen Comfort (allen.s.comfort@us.army.mil)'; 'Bridget Brosnan (bridget.brosnan@us.army.mil)'; 'dml@astmtmc.cmu.edu'; 'Joe Guzikowski (joe.guzikowski@dana.com)'; 'greg.fett@dana.com'; 'John Dharte (dhartej@aam.com)'; 'Chintan Ved (cved@ford.com)'; 'Tom Bryson (thomas.bryson@volvo.com)'; 'thelmaemarougy@eaton.com'; 'NON-LZ GRINFIELD BECKY'; 'Clayton Knight (cknight@tei-net.com)'; 'Dick Kuhlman (Dick.Kuhlman@AftonChemical.com)'; 'Chambers, Harold'; 'Joan Petit (joan.petit@gm.com)'; 'Michael Haire (mhaire@chevron.com)'; 'Percy Kanga (percy.r.kanga@exxonmobil.com)'; 'Stephen Eliot (stephen.w.eliot@exxonmobil.com)'; 'William Sullivan (wtsullivan@comcast.net)'; 'Willie Givens (willie.a.givens@exxonmobil.com)'; 'Keiter, Jennifer'; 'Korpi Misich, Diane'; 'X-John Huron'; 'X-Don Bartlett'; 'samuel.higuchi@aftonchemical.com'; 'Whitticar, David'

Cc: 'Wendy Grubbs (wendyg@sae.org)'; 'fmf@astmtmc.cmu.edu'; Matt Jackson

Subject: RE: Mack HTCD S.P. Conference call, October 1st, 2009

Please refer to the below listed Surveillance Panel meeting conference call. The time has been changed! We will now start the meeting at 9:00am Eastern time on Thursday, October 1st.

The toll free dial in phone number for the US is: 866-588-1857

The international dial in phone number is: 678-373-4882

The conference code is: 2105223588

I still plan on sending out a parts list by E-mail attachment later this week.

Regards,

Brian P. Koehler

Principal Engineer

Southwest Research Institute

P.O. Drawer 28510, Zip: 78228-0510

9503 West Commerce, Zip: 78227

San Antonio, TX USA

Building 209

Tel: 210-522-3588

Fax: 210-684-7523

Cell: 210-213-2761

The information in this email may be proprietary and may contain protected business information. This email is intended to be reviewed and used only by the individual or organization named above. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, and any use or disclosure of the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by email or telephone and permanently delete this email from your system.

From: Brian Koehler [mailto:brian.koehler@swri.org]

Sent: Friday, September 25, 2009 3:58 PM

To: 'Gropp, Jerrold'; 'Art Sanchez (asanchez@swri.org)'; 'bruce.mcglone@arvinmeritor.com'; 'Cory Koglin (Cory.Koglin@aftonchemical.com)'; 'Dale Smith (Dale.Smith@intertek.com)'; 'Don Bell (Don.Bell@AftonChemical.com)'; 'Akucewich, Edward'; 'Mike Kasimirsky (mtk@astmtmc.cmu.edu)'; 'Graziano, Ricki'; 'Greene, Galen'; 'Allen Comfort (allen.s.comfort@us.army.mil)'; 'Bridget Brosnan (bridget.brosnan@us.army.mil)'; 'dml@astmtmc.cmu.edu'; 'Joe

Guzikowski (joe.guzikowski@dana.com); 'greg.fett@dana.com'; 'John Dharte (dhartej@aam.com)'; 'Chintan Ved (cved@ford.com)'; 'Tom Bryson (thomas.bryson@volvo.com)'; 'thelmaemarougy@eaton.com'; 'NON-LZ GRINFIELD BECKY'; 'Clayton Knight (cknight@tei-net.com)'; 'Dick Kuhlman (Dick.Kuhlman@AftonChemical.com)'; 'Chambers, Harold'; 'Joan Petit (joan.petit@gm.com)'; 'Michael Haire (mhaire@chevron.com)'; 'Percy Kanga (percy.r.kanga@exxonmobil.com)'; 'Stephen Eliot (stephen.w.eliot@exxonmobil.com)'; 'William Sullivan (wtsullivan@comcast.net)'; 'Willie Givens (willie.a.givens@exxonmobil.com)'; 'Keiter, Jennifer'; 'Korpi Misich, Diane'; 'X-John Huron'; 'X-Don Bartlett'; 'samuel.higuchi@aftonchemical.com'; 'Whitticar, David'
Cc: 'Wendy Grubbs (wendyg@sae.org)'; 'fmf@astmtmc.cmu.edu'; Matt Jackson
Subject: Mack HTCD S.P. Conference call, October 1st, 2009

Please be aware that I will be holding a Mack HTCD Surveillance Panel meeting by conference call at 2:00pm Eastern time on Thursday, October 1st.

The reason: The Mack part numbers in the standard are being changed to a new format by Volvo. Action is needed to allow the laboratories to continue to build test transmissions using the revised part numbers.

Mr. Tom Bryson has reported to me that these changes should just be editorial.

I will send out the meeting call in details and a list of the old and new part numbers in a few days.

I am just sending this notice out now so that you can mark your calendars.

Regards,
Brian P. Koehler
Principal Engineer
Southwest Research Institute
P.O. Drawer 28510, Zip: 78228-0510
9503 West Commerce, Zip: 78227
San Antonio, TX USA
Building 209
Tel: 210-522-3588
Fax: 210-684-7523
Cell: 210-213-2761

The information in this email may be proprietary and may contain protected business information. This email is intended to be reviewed and used only by the individual or organization named above. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, and any use or disclosure of the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by email or telephone and permanently delete this email from your system.

MACK Transmission Parts List ASTM D5579-06

As of 10-05-09

Part Discription	Old Part Number	New Part Number	Comments	Tom Reviewed, # change only
Synchronizer clutch assembly	320KB459A	25132811	Table 3	Y
Synchronizer pin (3 each)	301KC33	25500623	Table 3	Y
Synchronizer pin (3 each)	301KC34	25498886	Table 3	Y
Synchronizer pin (3 each)	301KC35	25500385	Table 3	Y
Synchronizer pre-load spring (3 each)	107KD247	25500680	Table 3	Y
High range mainshaft gear	751KB4123	25502562	Table 3	Y
Low range mainshaft hub	84KC47	25502560	Table 3	Y
Compound mainshaft, rear	601KC432	601KC422 (SHAFT) 555AM7 (EXTERNAL RETAINING RING)	Table 3, Replaced by these two parts	
Bearing, compound mainshaft	46AX538	25499676	Table 3	Y
Thrust washers, mainshaft (2 each)	None required		Table 3	
Snap ring (2 each)	97AX151 or 97AX171	25108495	Table 3	Y
Snap ring (2 each)	97AX267	No change	Table 3	
Shift rail	591KC3154A	GOES TO MULTIPLE PARTS. New style not used for testing	Table 3, keep old # and add foot note	
O-ring, low range shift piston	56AX560	25108475	Table 3	Y
Piston, high low range shift	336KC318	GOES TO MULTIPLE PARTS. New style not used for testing	Table 3, keep old # and add foot note	
Cylinder housing, hi-lo shift piston	55KC46A	GOES TO MULTIPLE PARTS. New style not used for testing	Table 3, keep old # and add foot note	
O-ring, compound shift piston	None required		Table 3	
O-ring, range high low shift piston	56AX588	20705679	Table 3	Y
Countershaft gear, front	757KB3322	757KB4108	Table 3	
	757KB4108	No Change	Table 3, this second entry not needed.	
	757KB4106	No Change	Table 3	
Countershaft gear, rear	216KD42	21041938	Table 3	Y
Range shift valve	377SH21	Kit part number is not now valid, must purchase separately.	Section 9.2.2/ Table A2.1	
Kit (Parts in this kit are listed in Annex A2)	N/A foot note 7	Not used. Use buildout batch parts.	Section 9.2.2	
Fiction Plate	575KB457	25126946	Section 9.2.2	Y
Range fork	84KC47	25502560	Section 9.2.2	Y
Low Range Mainshaft Hub	223KD249	25500345	Section 9.2.2.1	Y
Thrust Washer	223KD316A	25500919	Section 9.2.2.1	Y
Thrust Washer	53KC486C	25502585	Section 9.2.2.1	Y
Clutch Housing	751KB4123	25502562	Section 9.2.2.1	Y
High Range Mainshaft Gear	320KB459	25132811	Table A2.1	Y
Sliding clutch	301KC33	25500623	Table A2.1	Y
Pin	301KC34	25498886	Table A2.1	Y
Pin	301KC243C	25501259	Table A2.1	Y
Spacer tube	301KC35	25500385	Table A2.1	Y
Ball/Pin	107KD247	25500680	Table A2.1	Y
Spring	495KB367	25097624	Table A2.1	Y
Reaction disk	320KB3136	25101998	Table 2, top	Y
Sliding clutches	320KB3137A	25503685	Table 2, top	Y
Splitter clutch	320KB3141	No change	Table 2, top	
Splitter piston and fork	336KC333	25125890	Table 2, top	Y
	575KB3378	25502825	Table 2, top	Y
Shafts	604KC277A	25085391	Table 2, top	Y
	604KC34B	Not a valid number	Table 2, top	
Yoke	301KD43B	25128328	Table 2, top	Y
Speedometer plug and washer	37AX419	20704759	Table 2, bottom	Y
	37KC12	Not a valid number	Table 2, bottom	
orifice to range valve	63AX3466	25107528	Table 2, bottom	Y

These are the second group of parts reviewed by Tom Bryson

These are the first group of parts reviewed by Tom Bryson