ORMATION Redacted PURSUANT TO THE FREEDOM OF

Country List for Communication Activities (Requirement)

Country	Fuel grades	Sticker (current)	Sticker content	Sticker location
Non-responsive c	Only one grade	Standard		
entent removed	Local Diesel / Euro Dizel	Standard		
ontent removed	Local Diesel / Eurodiesel	Standard		
sear,	Only one grade	Standard		
	Only one grade	Standard		
	Only one grade	Standard		
→	Local Diesel / Gasoil 50	Special sticker	Eurodiesel	Tank
→	Local Diesel / Eurodiesel	Standard		
→	Local Diesel / Diesel 350 Extra / Gasoil 350	Special sticker	Eurodiesel	Tank
	Only one grade	Standard		
	Only one grade	Standard		
→	Gr: only one grade / Turk. Local Diesel / Eurodiesel	Standard		
· ·	Only one grade	Standard		
	Only one grade	Standard		
→	Local Diesel / Eurodiesel / Diesel Plus	Standard		
	Only one grade	Standard		
→	Local Diesel / Euro Dizel	Special sticker	Eurodiesel	Tank
	Only one grade	Standard		
	Only one grade	Standard		
→	Local Diesel / EU III Diesel	Standard		
	Only one grade	Standard		
	Not recorded	Standard		
	Only one grade	Standard		
	Only one grade	Standard		
	Only one grade	Standard		
→	Local Diesel / Euro Diesel 4	Special sticker	Eurodiesel	Tank
→	Dizel D2 / Eurodiesel / ECO 50 Diesel	Standard		
	Only one grade	Standard		
	Only one grade	Standard		
	Only one grade	Standard		
	Only one grade	Standard		
	Only one grade	Standard		
	Only one grade	Standard		
→	Local Diesel / Diesel Euro / Diesel Eko	Standard		
	Local Diesel / Special Grade B20	Standard		

Communication activities in countries with just one fuel grade (shown in gray) are unnecessary. Stickers would be possible for the remaining markets, implemented in some cases (shown in green). Translation time frame for sticker into English 4-6 weeks, into local language 7-10 weeks.

EA11003EN-00252[0]

Direct Information System Service (DISS)

For internal use only

Order and partner data		
Order number:	75638	
Order date:	9/7/2010	
Last change:	9/27/2010, 12:39:46 PM	
Importer/DC number:	259	
Operating number:	00460	
Company:	SWITON-PACZKOWSKI	
Location:	Non-responsive content removed	
Postcode:		
Street:		
Name:		
Org.ID:		
VS:	HSB	
Region:	(44	
Telephone:	· 	
E-Mail:		

2. Vehicle data	
Chassis number:	WV1ZZZ7HZAH
Delivery date	4/21/2010
Mileage:	13232 kilometers
Model year	2010
Sales type, 6 places:	7EH122
Engine:	CAAB
Gearbox:	LRS
Brand	Commercial vehicles

3. Complaint data

9/27/2010 Page 1 of 14

EA11003EN-00252[1]

Direct Information System Service (DISS)

For internal use only

-or internal use only	
BA-ID	25708655
Last change:	9/27/2010, 9:21:14 AM
What is the customer's complaint?	SILNIK ZGASŁ PODCZAS JAZDY, ZAŚWIECIŁA SIĘ RÓWNOCZEŚNIE KONTROLKA ŚWIEC ŻAROWYCH
How often does the complaint occur?	»
Constraints:	
When did the complaint first oc- cur?	9/6/2010
Have you already visited a workshop due to this complaint?	Yes, a different workshop
Did the car break down (according to manufacturer definition)?	Yes
Customer encoding:	Engine > Engine operation > Engine running > Function > Stopped
Can the customer complaint be verified?	
Additional information for workshop observation:	
Type of repair:	
Number of original part that repaired the damage:	
Manufacturer code of the original part that caused the damage:	
Workshop encoding text:	Engine > Fuel supply > High-pressure fuel pump > Component, Operating media > Damaged
HST process no.:	.
HST title:	
Has the complaint been repaired?	
Does the complaint involve original equipment (VWN: alterations and improvements)?	Yes
Suspicion of repeat repair	Yes

4. TSC inquiry		
Type of TSC inquiry	Technical repair inquiry	
9/27/2010		Page 2 of 14

EA11003EN-00252[2]

Direct Information System Service	e (DISS)
For internal use only	
TSC return info type:	9/20/2010, 8:00:00 AM
Status of inquiry	Inquiry was opened for processing by TSC.
Was a comparison vehicle checked?	No
Is the vehicle currently available for tele-diagnosis?	Yes
Did you carry out "Guided Troubleshooting"?	No
Is the exhaust warning light on?	No
Does the vehicle correspond to the series status?	Yes
Please select the preliminary workshop encoding.	Engine > Fuel supply > High-pressure fuel pump > Component, Operating media > Damaged
Which work did the workshop perform and where do you need support?	
Advance information to partner:	
Communication history	
Non-responsive content removed	Level 1
9/11/2010, 10:38:15	AM
Non-responsive content removed	Partner
9/13/2010, 8:54:00 AM	
9/27/2010	Dogo 2 of 14
0/2//2010	Page 3 of 14

EA11003EN-00252[3]

Direct Information System Service (DISS)

For internal use only



Non-responsive content removed

Level 3

9/20/2010, 10:08:48

AM You should already be familar with this subject from our phone calls and e-mails. At 8620 km, the entire fuel system, including tank, was exchanged and sent for analysis. The highpressure fuel pump is damaged again (metal shavings). The fuel is currently being drained and the tank removed. The tank contained magnetic metal shavings and a mud-like contamination (see pictures). The tank pump contains a lot of dirt (picture 9628) - it is very fine sand (not plastic shavings!) + metal shavings. We also removed a fuel pipe between rail and injector - no rust marks can be seen. The customer has a company and purchases fuel wholesale (see last invoice - 5100 I) and fills his vehicles from his own filling station. We therefore assume that the damage was caused by poor fuel quality. The mechanical soiling can be dealt with by the fuel filter, it is possible that the fuel was also chemically contaminated. What do you think? Regards -

5. Attachments

9/27/2010 Page 4 of 14

EA11003EN-00252[4]

Direct Information System Service (DISS)

For internal use only

Attachment 1	
Title	Faktura za paliwo
File name	Faktura za paliwo.jpg
Attachment type	Photo
Content type	image/pjpeg
Size (KB)	147.26
Entered on	9/18/2010, 10:21:06 AM
Entered by	Non-responsive co
User ID	

Attachment 2	
Title	IMG_9634
File name	IMG_9634.JPG
Attachment type	Photo
Content type	image/pjpeg
Size (KB)	111.64
Entered on	9/17/2010, 9:10:08 AM
Entered by	Non-responsive content removed
User ID	iomovea

Attachment 3	
Title	IMG_9633
File name	IMG_9633.JPG
Attachment type	Photo
Content type	image/pjpeg
Size (KB)	125.89
Entered on	9/17/2010, 9:09:55 AM
Entered by	Non-responsive con tent removed
User ID	

Attachment 4	
9/27/2010	Dogo E of 14

9/2//2010 Page 5 of 14

EA11003EN-00252[5]

Direct Information System Service (DISS)

For internal use only

Title IMG_9631

File name IMG_9631.jpg

Attachment type Photo

Content type image/pjpeg

Size (KB) 64.00

Entered on 9/17/2010, 9:09:40 AM

Entered by Von-responsive content removed

Attachment 5 Title IMG_9630 File name IMG_9630.JPG Attachment type Photo Content type image/pjpeg Size (KB) 133.73 Entered on 9/17/2010, 9:09:17 AM Non-responsive cont Entered by ent removed User ID

Attachment 6 Title IMG_9629 File name IMG 9629.JPG Attachment type Photo Content type image/pjpeg Size (KB) 138.58 Entered on 9/17/2010, 9:09:02 AM Entered by Non-responsive co ntent removed User ID

Attachment 7

Title IMG_9628

9/27/2010 Page 6 of 14

EA11003EN-00252[6]

Direct Information System Service (DISS)

For internal use only

File name	IMG_9628.jpg	
Attachment type	Photo	
Content type	image/pjpeg	
Size (KB)	64.00	
Entered on	9/17/2010, 9:08:47 AM	
Entered by	Non-responsive co	
User ID	ntent removed	

9/27/2010 Page 7 of 14

EA11003EN-00252[7]

rect Information System ervice (DISS)	Fig.	Faktura VAT		Nr	P 3837	2010/MA	4	
the Re Physics September	100			ORYGINAL				
or internal use only		2010-0	8-18 Kosin			201	0-08-17	
Lp. Prozwa	Kod en	fest i Im	bruffe	netto	netto	VAT	VAT	vvanosc brutto
1 ICLEJ NAPEDOWY	CN 27101941	51023	3,9600	3,2459	16 554,10	22%	3 641,90	20 196,00
				RAZEM	16 554,10	×	3 641,90	20 195,00
			1	W tym	16 554 10	22%	3 641,90.	20 195,00
Shownie: cwadziościa tysięcy st			do zapraty: 2 zero groszy		•			-
imię nazwako podpie odobrana o	osoby upowstreone, di lokumentu			W	2. Ciff retarritas, Ka	Kon rei Hanajes	ice /	
			100					

(RG

hus: Bage Symfeys Hamild Frentismest, 2007.9

Strong 1 Casse in

9/27/2010

Page 8 of 14

EA11003EN-00252[8]

Direct Information System Service (DISS)

For internal use only

IMG_9634.JPG



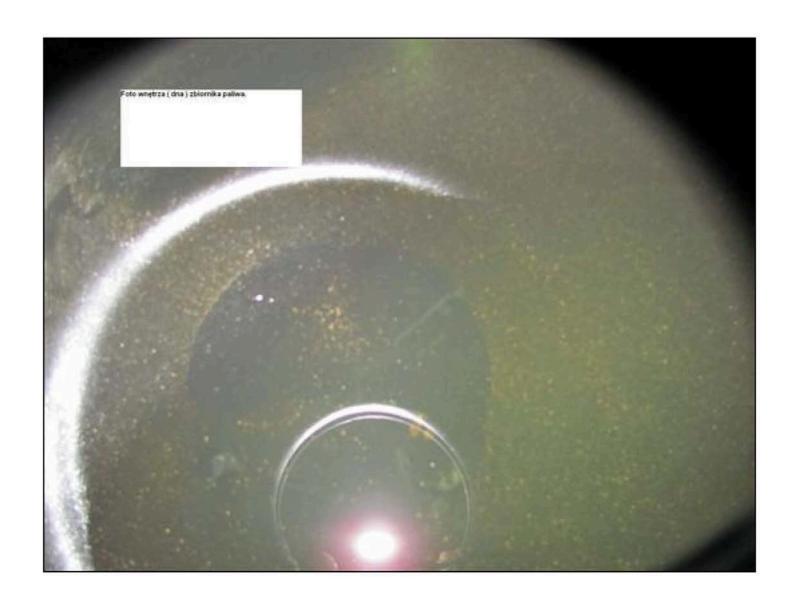
9/27/2010 Page 9 of 14

EA11003EN-00252[9]

Direct Information System Service (DISS)

For internal use only

IMG_9633.JPG



9/27/2010 Page 10 of 14

EA11003EN-00252[10]

Direct Information System Service (DISS)

For internal use only

IMG_9631.jpg



9/27/2010 Page 11 of 14

EA11003EN-00252[11]

Direct Information System Service (DISS)

For internal use only

IMG_9630.JPG



9/27/2010 Page 12 of 14

EA11003EN-00252[12]

Direct Information System Service (DISS)

For internal use only

IMG_9629.JPG



9/27/2010 Page 13 of 14

EA11003EN-00252[13]

Direct Information System Service (DISS)

For internal use only

IMG_9628.jpg



EA11003EN-00254[0]

Direct Information System Service (DISS)

For internal use only

Order and partner data		
Order number:	75638	
Order date:	9/7/2010	
Last change:	9/27/2010, 12:39:46 PM	
Importer/DC number:	259	
Operating number:	00460	
Company:	SWITON-PACZKOWSKI	
Location:	Non-responsive content remove	
Postcode:	d	
Street:		
Name:		
Org.ID:		
VS:	HSB	
Region:	:	
Telephone:		
E-Mail:	(4-	

2. Vehicle data	
Chassis number:	WV1ZZZ7HZAH
Delivery date	4/21/2010
Mileage:	13232 kilometers
Model year	2010
Sales type, 6 places:	7EH122
Engine:	CAAB
Gearbox:	LRS
Brand	Commercial vehicles

3. Complaint data

9/27/2010 Page 1 of 14

EA11003EN-00254[1]

For internal use only	
BA-ID 2	25708655
Last change: 9	9/27/2010, 9:21:14 AM
What is the customer's complaint?	
How often does the complaint occur?	
Constraints:	-
When did the complaint first occur?	9/6/2010
Have you already visited a Y workshop due to this complaint?	Yes, a different workshop
Did the car break down (according Y to manufacturer definition)?	Yes
Customer encoding:	Engine > Engine operation > Engine running > Function > Stopped
Can the customer complaint be verified?	-
Additional information for workshop observation:	-
Type of repair:	-
Number of original	
Manufacturer code of the original part that caused the damage:	-
Workshop encoding text:	Engine > Fuel supply > High-pressure fuel pump > Component, Operating media > Damaged
HST process no.:	-
HST title:	
Has the complaint been repaired?	-
Does the complaint involve original Y equipment (VWN: alterations and improvements)?	Yes
Suspicion of repeat repair Y	Yes

4. TSC inquiry		
Type of TSC inquiry	Technical repair inquiry	
9/27/2010		Page 2 of 14

EA11003EN-00254[2]

Direct Information System Service (DISS)

For internal use only

9/27/2010

For internal use only	
TSC return info type:	9/20/2010, 8:00:00 AM
Status of inquiry	Inquiry was opened for processing by TSC.
Was a comparison vehicle checked?	No
Is the vehicle currently available for tele-diagnosis?	Yes
Did you carry out "Guided Troubleshooting"?	No
Is the exhaust warning light on?	No
Does the vehicle correspond to the series status?	Yes
Please select the preliminary workshop encoding.	
Which work did the workshop perform and where do you need support?	
Advance information to partner:	
Communication history	
Non-responsive content removed	
9/11/2010, 10:38:15	
Non-responsive content removed	
9/13/2010, 8:54:00 AM	
0/10/2010, 0.04.00 AW	
0/27/2010	

Page 3 of 14

EA11003EN-00254[3]

Direct Information System Service (DISS) For internal use only Non-responsive content removed Level 1 9/17/2010, 9:15:21 AM Non-responsive content removed 9/17/2010, 9:55:02 AM Non-responsive content removed 9/18/2010, 1:08:36 PM Non-responsive content removed Level 3 9/20/2010, 10:08:48 AM You should already be familiar with this subject from our phone calls and e-mails. At 8620 km, the entire fuel system, including tank, was exchanged and sent for analysis. The highpressure fuel pump is damaged again (metal shavings). The fuel is currently being drained and the tank removed. The tank contained magnetic metal shavings and a mud-like contamination (see pictures). The tank pump contains a lot of dirt (picture 9628) - it is very fine sand (not plastic shavings!) + metal shavings. We also removed a fuel pipe between rail and injector - no rust marks can be seen. The customer has a company and purchases fuel wholesale (see last invoice - 5100 I) and fills his vehicles from his own filling station. We therefore assume that the damage was caused by poor fuel quality. The mechanical soiling can be dealt with by the fuel filter, it is possible that the fuel was also chemically contaminated. What do you think?

5. Attachments

9/27/2010 Page 4 of 14

Regards -

EA11003EN-00254[4]

Direct Information System Service (DISS)

For internal use only

Attachment 1	
Title	Faktura za paliwo
File name	Faktura za paliwo.jpg
Attachment type	Photo
Content type	image/pjpeg
Size (KB)	147.26
Entered on	9/18/2010, 10:21:06 AM
Entered by	Non-responsive content removed
Hear ID	mester state of the state of th

User ID

A	۱t	ta	C	h	m	e	n	t	2

Title IMG_9634

File name IMG_9634.JPG

Attachment type Photo

Content type image/pjpeg

Size (KB) 111.64

Entered on 9/17/2010, 9:10:08 AM

Entered by Non-responsive content removed

User ID

Attachment 3

Title IMG_9633

File name IMG_9633.JPG

Attachment type Photo

Content type image/pjpeg

Size (KB) 125.89

Entered on 9/17/2010, 9:09:55 AM

Entered by Non-responsive content removed

User ID

Attachment 4

9/27/2010 Page 5 of 14

EA11003EN-00254[5]

Direct Information System Service (DISS)

For internal use only

Title IMG_9631

File name IMG_9631.jpg

Attachment type Photo

Content type image/pjpeg

Size (KB) 64.00

Entered on 9/17/2010, 9:09:40 AM

Entered by Non-responsive content removed

User ID

Attachment 5 Title IMG_9630 File name IMG_9630.JPG Attachment type Photo Content type image/pjpeg Size (KB) 133.73 Entered on 9/17/2010, 9:09:17 AM Non-responsive conte nt removed Entered by User ID

Attachment 6 Title IMG_9629 File name IMG 9629.JPG Attachment type Photo Content type image/pjpeg Size (KB) 138.58 Entered on 9/17/2010, 9:09:02 AM Non-responsive conte nt removed Entered by User ID

Attachment 7

Title IMG_9628

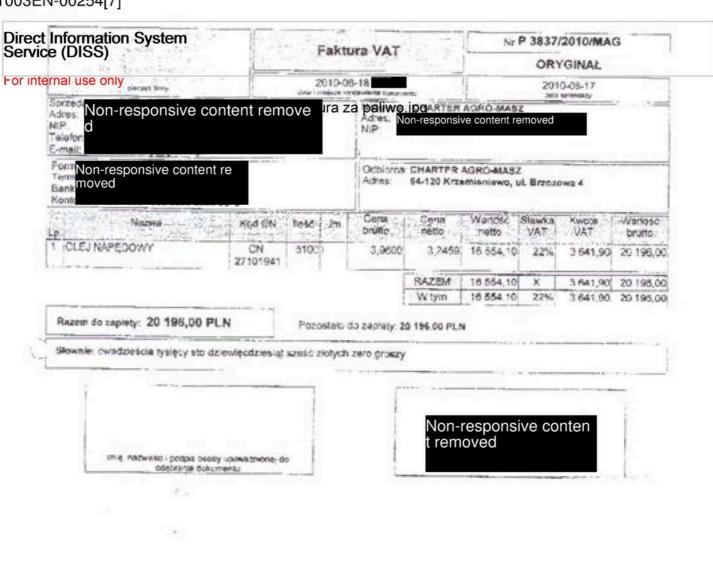
9/27/2010 Page 6 of 14

EA11003EN-00254[6]

Direct Information System Service (DISS)		
For internal use only		
File name	IMG_9628.jpg	
Attachment type	Photo	
Content type	image/pjpeg	
Size (KB)	64.00	
Entered on	9/17/2010, 9:08:47 AM	
Entered by	Non-responsive cont ent removed	
User ID		

9/27/2010 Page 7 of 14

EA11003EN-00254[7]



Their Baye Symfory Mandal Frenchiston 41, 2007.5

9/27/2010

Page 8 of 14

EA11003EN-00254[8]

Direct Information System Service (DISS)

For internal use only

IMG_9634.JPG



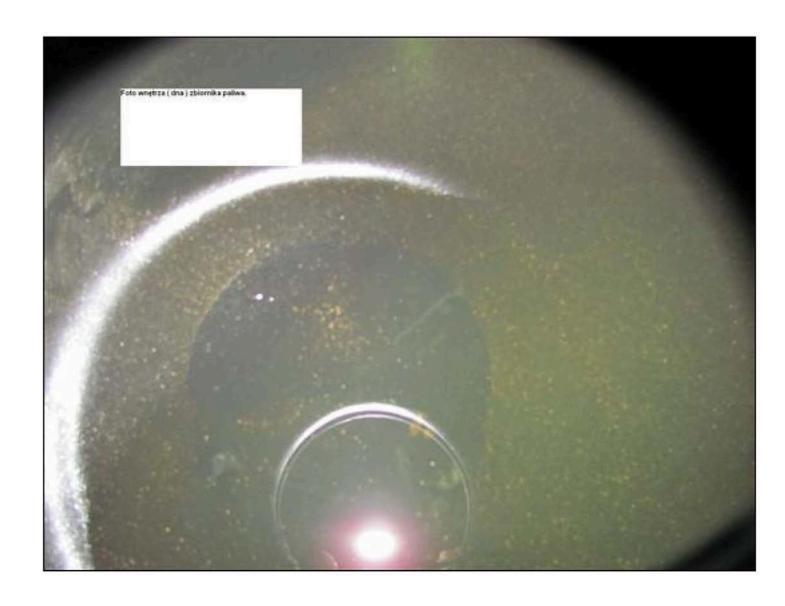
9/27/2010 Page 9 of 14

EA11003EN-00254[9]

Direct Information System Service (DISS)

For internal use only

IMG_9633.JPG



9/27/2010 Page 10 of 14

EA11003EN-00254[10]

Direct Information System Service (DISS)

For internal use only

IMG_9631.jpg



9/27/2010 Page 11 of 14

EA11003EN-00254[11]

Direct Information System Service (DISS)

For internal use only

IMG_9630.JPG



9/27/2010 Page 12 of 14

EA11003EN-00254[12]

Direct Information System Service (DISS)

For internal use only

IMG_9629.JPG



9/27/2010 Page 13 of 14

EA11003EN-00254[13]

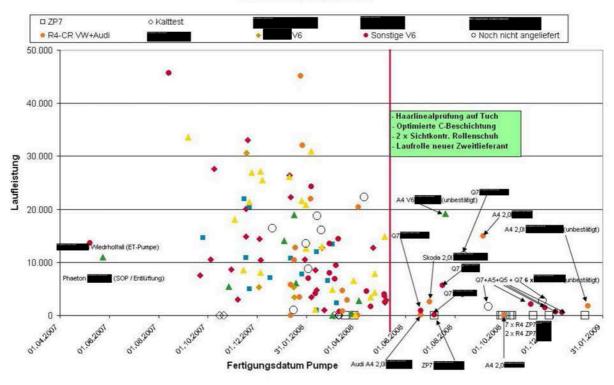
Direct Information System Service (DISS)

For internal use only

IMG_9628.jpg



Maßnahmenwirksamkeit



German	English
Maßnahmenwirksamkeit	Effectiveness of actions
ZP 7	CP 7
Kalttest	Cold test
Non-responsive content removed	
-	
R4-CR VW + Audi	R4-CR VW + Audi
Non-responsive content removed	
Sonstige V6	Others V6
Noch nicht angeliefert	Not supplied yet
Laufleistung	Mileage
- Haarlinealprüfung auf Tuch	- Straightedge testing on cloth
- Optimierte C-Beschichtung	- Optimized C coating
- 2 x Sichtkontr. Rollenschuh	- 2 x visual inspection Roller support
- Laufrolle neuer Zweitlieferant	- Roller of new second source supplier
Non-responsive content removed	

EA11003EN-00273[1]

Non-responsive content removed		
^Fertigungsdatum Pumpe	^Production date of pump	

To: CC:	on-responsive content removed
	I/16/2010, 11:23:22 AM e: V6 TDI block
Hello Non-responsive content removed I've had a look at the affecte	d part numbers, all affected stocks are currently in storage in
Accordingly, all proposed ac Will you take over the proce Has a QMR report been crea	
With best wishes	
Non-responsive content rem ed	
Volkswagen Aktiengesellsch	naft
Non-responsive conten t removed >	
>From: Non-responsive content remov >Sent: Tuesday, November	16, 2010, 11:10 AM
>To: Non-responsive content >Cc: Non-responsive content removed >Subject: Re: V6 TDI block > >Hello	t removed
	th the CP4 high-pressure fuel pump from Bosch, is somewhat complicated. n with RP2 as we did during the introduction of the RP1.
>In my opinion, however, the propose to you and our Mes	ere is an inexpensive and, in particular, fast solution to the problem, which I srs. Non-responsive content removed
>* Fast correction of RP2 pu	Imps in OP program/catalog (is initiated: Non-responsive content remove
spare parts delivery with RP >* Use the remaining RP1 p special control or change of >* This means: critical mark	RP1 pumps in the markets of Non-responsive content removed and fast 2 pumps and the corresponding fuel lines umps only in Non-responsive content removed etc. through the OP program ets only have the RP2 in the program; non-critical markets temporarily have the production number; once RP1s are used> All markets only have RP2 -

EA11003EN-00296[1] -> Note: in vehicles before the serial use of RP2, an RP2 pump + lines must always be installed; for vehicles with RP2 only the RP2 pump. => >Is that understandable? >ls this doable? > >Best regards >Non-responsive content remov >ed >85045 Ingolstadt >Non-responsive content re >moved > > >----Original message----->From: Non-responsive content removed >Sent: Tuesday, November 16, 2010, 10:35 AM >To: Non-responsive content removed >Subject: Re: V6 TDI block >Importance: High >Hello colleagues, >Can you please help me answer the questions. > >Best regards >Non-responsive content removed >Non-responsive content remov >ed > > >----Original message----->From: Non-responsive content removed >Sent: Tuesday, November 16, 2010, 10:32 AM >To: Non-responsive content removed >Subject: Re: V6 TDI block >Importance: High

EA11003EN-00296[2]

>Hello red responsive content remo > Hello red responsive content remo > Hello red responsive content remo > I'm afraid the above block notification does not contain any part numbers. > My question to red about the engines affected on Original Parts sales elicited the answer below.
>However, the question regarding the sale of high-pressure fuel pumps sold as
individual original parts remains open.> >I have included a list of the high-pressure fuel pumps I suspect are affected. >My question is: Do the high-pressure fuel pumps listed in the RP1 line have to be blocked as well (warehouse stocks of the successor parts, line RP2, are only available in individual cases!)? >Please provide this information soon.
> >Best regards
> Dest regards
>Non-responsive content remo >ved >
Non-responsive content remo ved
> > >
>
>
>
> >
>From: Non-responsive content removed
>Sent: Tuesday, November 16, 2010, 9:59 AM >To: Non-responsive content removed >Subject: Re: V6 TDI block
>
>
>Hello ad Non-responsive content remov
>Please find attached the list of high-pressure fuel pumps.
> >As we just discussed, no V6 TDI engines are sent to
>
>
>
>
>
>Best regards >Non-responsive conte
>nt removed

EA11003EN-00296[3]

```
>Non-responsive content rem
>oved
>Sitz/Domicile: Ingolstadt
>Court of Registry/Registergericht: Amtsgericht Ingolstadt >
>Commercial Register No./HRB Nr.: 1
>Chairman of the Supervisory Board/Vorsitzender des Aufsichtsrats: Martin Winterkorn
>Vorstand/Board of Management: Rupert Stadler (Vorsitzender/Chairman), Ulf Berkenhagen, Michael
Dick, Frank Dreves, Peter Schwarzenbauer, Thomas Sigi, Axel Strotbek
>Important notice: The above information is automatically added to this e-mail.
This addition does not constitute a representation that the content of this e-mail is legally relevant and/or is
intended to be legally binding upon Audi AG.
>Wichtiger Hinweis: Die vorgenannten Angaben werden jeder E-Mail automatisch hinzugefügt und lassen
keine Rückschlüsse auf den Rechtscharakter der E-Mail zu.
>From: Non-responsive content removed
>Sent: Monday, November 15, 2010, 9:29 AM
>To: Non-responsive content remove
>Subject: V6 TDI block
>Importance: High
>
>
>
>Hello
>Can you please tell me which part numbers in VO are affected by the block?
>Best regards
 Non-responsive content remov
>ed
>
>Volkswagen Aktiengesellschaft
>Non-responsive conten
>t removed
```

EA11003EN-00298[0]





Mon-responsive content removed market: VW526 Touareg NF V6TDI

EA11003EN-00298[1]

VW526 Touareg NF V6TDI Non-responsive content market

Status

- ▶ About 2,800 vehicles were produced for turned, currently blocked
- Vehicles are constructed with high-pressure fuel pump CP4.2 with robustness package 1 (excluding RP2), data record is still similar to "Master 04" (pumping in tune with requirement like MAF failure USA)
 - → Undeliverable in this form!

Possible actions and dates

- Version 1: re-flashing on data similar to "Master 05" with full pumping during engine start and fuel temperature > 70 °C (as Q7)
 - ► Availability: Immediate; time required: Approx. 30 min. per vehicle.
- ► Version 2: Actions like version 1 + activation of fuel pump with terminal 15 and with door contact and in overrun
 - ▶ Data status availability WK04/11, GQ release after WK 08/11, pre-scheduling being clarified. Time required: approximately 30 minutes per vehicle
- ▶ Version 3: Measures like version 2 + conversion to high-pressure pump with RP2, including modified fuel lines
 - ► Availability of data status same as version 2, parts availability HPP is given from today's perspective, confirmation by suppliers is pending / time required: approximately 2 h per vehicle

Recommendation

- Immediate: Re-flashing on data similar to "Master 05" (version 1)
- ► In service: Re-flashing the 2,800 vehicles to optimized activation of the fuel pump (version 2)
- Further deliveries of more than 2,800 vehicles only with the total package similar to version 3



EA11003EN-00298[2]

Backup





Sales volume of Sales volume o

Q7 V6TDI Gen1 (2009/2010) FBU, production in

A6 2.7TDI Gen1 (2009/2010) CKD, production in Non-responsive content removed

► Touareg NF V6TDI Gen1 FBU, production in Non-responsive content remove

505* on-field vehicles

6,340* on-field vehicles

2,800 vehicles running

*Figures for I/VT-5

Failures according to DISS notification

Q7: 5 failures HPP (approx. 1%)

A6: 103 failures HPP (approx. 1.6%)

Note on production in Non-responsive content

- First-filled fuel does not meet the group specifications, some significant overruns.
- Checks of production in resulted in significant preliminary damage to HPP at "0 km".
- Changchun plant was informed of any procurement source (Info in October 2010) from China for approved fuel.



EA11003EN-00298[4]

VW 526 Touareg NF

V6 TDI start status for

Project status 11.23.10

Notification of blocking by Audi AG on 11.12.2010 for the V6 TDI in all versions in the due to lack of lubrication in the high-pressure fuel pump due to low-quality fuel

SOP since CW 34/10

Overview of vehicles at checkpoints (Source: VWSK, TAF)

2 vehicles - Delivery to customers:

- Currently on ships: 1951 vehicles

666 vehicles

- Planned delivery from ports: 11.24.2010

- Action notification for ports initiated: 11.23.2010

- Incoming freight at Mon-responsive content removed 66 vehicles

- Stock at Non-responsive content removed 79 vehicles

- Factory (CP 7 = 21 vehicles + CP8 = 8 vehicles 79 vehicles

> Σ 2793 vehicles

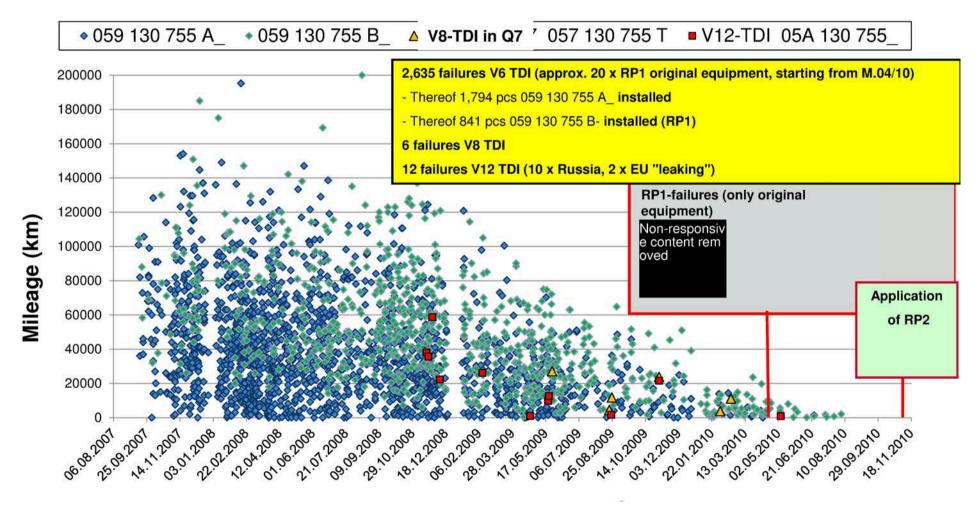




EA11003EN-00298[5]

All bills of high-pressure fuel pumps V6-/V8-/V12-TDI Audi

SAGA as of 11.16.2010



Vehicle production date

>AUDI AG

From: Non-responsive content removed To: CC: **Date:** 5/27/2011, 11:17:10 AM Subject: Re: Failure of high-pressure fuel pump diesel C.R. market - Current situation for 4cylinder Engines Hello Mr. All of our AWP variants of the CP4.1 (A/AA/AB/AE) have been equipped with the RP1 measures since wk 45/2010. The widespread introduction of the RP1+ will begin after conclusion of the commercial negotiations (still in progress) and approval by the ÄKO. Best regards, Non-responsive content removed Volkswagen AG Non-responsive content remo ved >From: Non-responsive content removed >Sent: Friday, May 27, 2011, 10:48 AM Non-responsive content removed >Importance: High >Hello Mr. >R4 HPP problems are escalating in [1881]! >Please provide a binding status for implementation of RP 1+ and other SW measures. >Thank you > >Kind regards Non-responsive content removed

EA11003EN-00311[1] >Non-responsive content remov >ed > >Sitz/Domicile: Ingolstadt >Court of Registry/Registergericht: Local District Court Ingolstadt >Commercial Register No./HRB Nr.: 1 >Vorsitzender des Aufsichtsrats/Chairman of the Supervisory Board: Martin Winterkorn >Vorstand/Board of Management: Rupert Stadler (Vorsitzender/Chairman), Ulf Berkenhagen, Michael Dick, Frank Dreves, Peter Schwarzenbauer, Thomas Sigi, Axel Strotbek >Important notice: The above information is automatically added to this e-mail. This addition does not constitute a representation that the content of this e-mail is legally relevant and/or is intended to be legally binding upon Audi AG. >Wichtiger Hinweis: Die vorgenannten Angaben werden jeder E-Mail automatisch hinzugefügt und lassen keine Rückschlüsse auf den Rechtscharakter der E-Mail zu. > >From: Non-responsive content removed >Sent: May 27, 2011 10:20 a.m. Non-responsive content removed >Subject: R: Failure of high-pressure fuel pump diesel C.R. Italy market - Current situation for 4-cylinder **Engines** >Hello Mr. >The failure of the high-pressure fuel pumps for the 4-cylinder C.R. engines is currently our TOP market technical problem. >The damage rate of the 4-cylinder has exceeded the damage rate of the 6-cylinder. >Can you please notify us of the current measures for our 4-cylinder engines. >Has RP1 been implemented in series or as a CS measure? If so, from when? Is the RP1 recognizable with the 4 cylinder (Pare Part number, production number of pump, ...)? >The campaign execution for the 6-cylinder has been accelerated in the field through phone customer contact. The number of 23G7 campaign vehicles is dependent on our current workshop capacity >Thank you for your information, >With best regards > >. > < OLE Object: Picture (Device Independent Bitmap) >> > > < OLE object: Picture (Device Independent Bitmap) >>

>GFA

```
EA11003EN-00311[2]
    >
    Non-responsive content removed
    Non-responsive content removed
    Non-responsive content removed
    >Da:Non-responsive content removed
    >Inviato: venerdì 25 marzo 2011 11.49
   Non-responsive content removed
    >Oggetto: Re: Failure of high-pressure fuel pump diesel C.R. Italy market - Current situation for 4-cylinder
    Engines
    >2nd try without attachment.
    >Best regards
    >From: Non-responsive content removed
    >Sent: Friday, March 25, 2011, 11:46 AM
    Non-responsive content removed
    >Subject: FW: Failure of high-pressure fuel pump diesel C.R. market - Current situation for 4-
    cylinder Engines
```

>Please let us know the current status of our 4-cylinder CR

EA11003EN-00311[4] high-pressure fuel pumps (RP-1 package). > >Has the RP1 measure been implemented in series production for the 4-cylinder? If so, from which vehicle no./date? >Are the high-pressure fuel pumps with RP1 still being shipped as CS part? If so, with which Spare Part number? Can the parts be identified externally, or only through the Spare Part number? >As attachment: e-mail from November 2010 on topic of 4-cyl. CR. >Thank you for your information, >With best regards >GFA > < Message: I: AWP-Varianten CP4.1 >> Non-responsive content removed > >VOLKSWAGEN GROUP ITALIA S.P.A. >Non-responsive content removed > > > > > > >Inviato: mercoledì 23 marzo 2011 9.15 Non-responsive content removed

Non-responsive content removed
>Oggetto: Report Wk 11/2011 - Failure of high-pressure fuel pump Diesel C.R. market
>Dear
>Please find attached the update of our weekly report "Failure of high-pressure fuel pump" for the period Wk 25/2009 to Wk 11/2011. >In addition, 20 more failures have occurred or been reported in market in Wk11.
> INFO: All vehicles that were repaired with a new high-pressure fuel pump CP4.2 - RP 2 are marked in green in the file attachment "Report-Failures" under "Basic Data" (40 high-pressure fuel pumps)
>Effective immediately, you will receive additional information with regard to the 23G7 recall campaign, with evaluation of the cases completed through our warranty department. The completed cases will be processed through warranty and goodwill requests. >
>Failure situation incl. Wk 11/2011
> 6/09 7/09 8/09 9/09 10/09 11/09 12/09 1/10 2/10 3/10 4/10 5/10 6/10 7/10 8/10 9/10 10/10 11/10
12/10 >6 cyl. Engine with shavings 31 46 35 46 46 52 36 39 48 64 77 62 75 104 75 84 99 95 75 >4 cyl. Engine with shavings 1 8 7 8 12 13 12 13 13 20 29 30 33 64 46 46 62 67 53> >6 cyl. Engine without shavings 0 1 3 7 18 10 4 6 2 8 14 17 24 >4 cyl. Engine without shavings 0 0 0 0 4 1 1 1 1 3 1 2 5 >Total 32 54 42 54 58 65 48 53 64 91 128 103 113 175 124 141 176 181 157
> 1/11 2/11 3/11 4/11 5/11 6/11 7/11 8/11 9/11 10/11 11/11 12/11 1/12 2/12 3/12 4/12 5/12 6/12 7/12 Total
>6 cyl. Engine with shavings 49 53 28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1325 >4 cyl. Engine with shavings 30 40 25 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 633 >6 cyl. Engine without shavings 20 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 141 >4 cyl. Engine without shavings 4 3 3 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0
> < OLE object: Picture (Device Independent Bitmap) >> SECTION CONFIDENTIAL > < OLE object: Picture (Device Independent Bitmap) >> > < OLE object: Picture (Device Independent Bitmap) >> > < OLE object: Picture (Device Independent Bitmap) >> > < OLE object: Picture (Device Independent Bitmap) >> > < File: Report Ausfall Hochdruckpumpe Diesel CR - Stand KW11.2011.zip >> > > Best wishes. > Non-responsive content removed

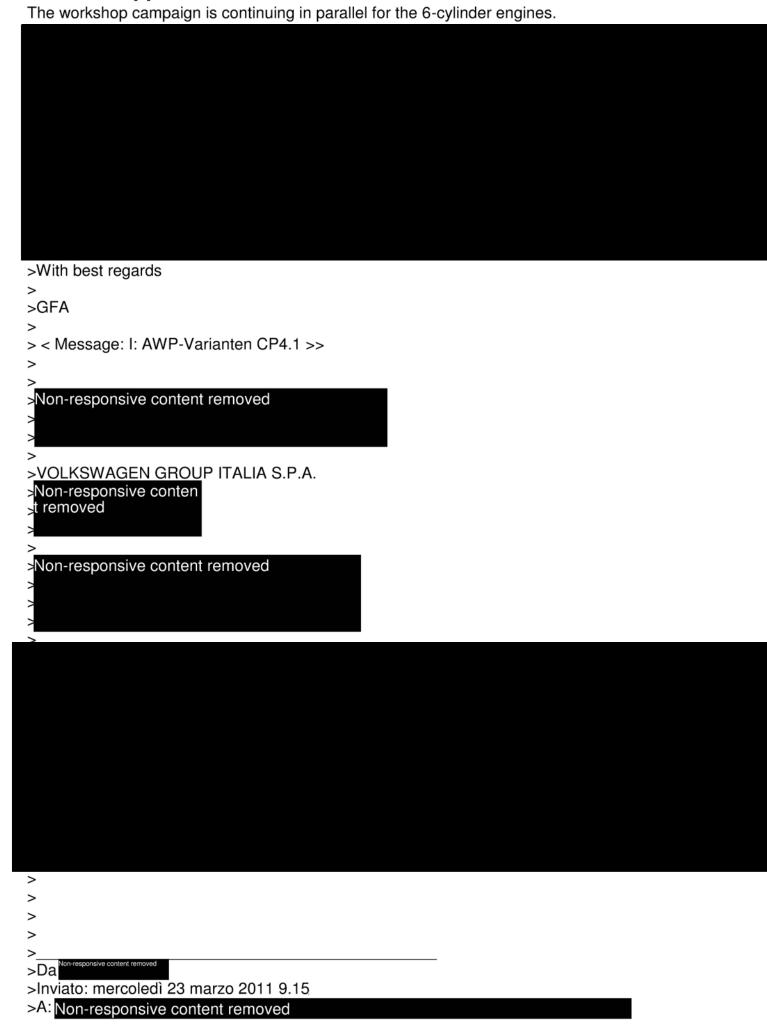


>
Non-responsive content removed
>

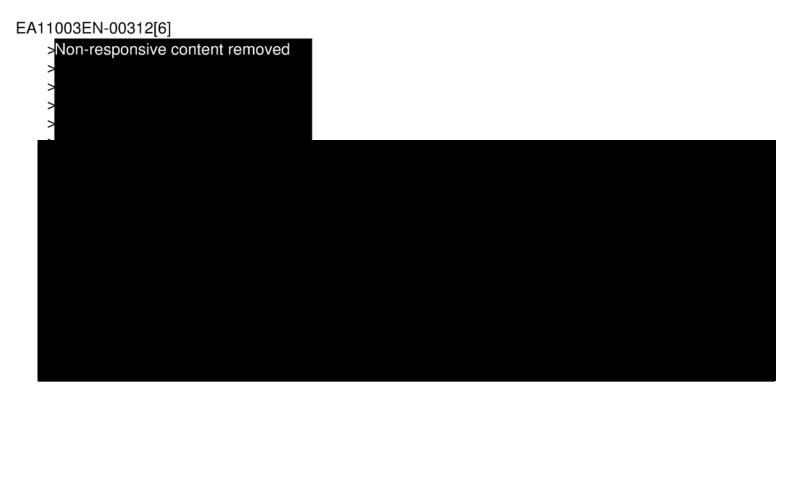
>

```
EA11003EN-00312[2]
    >
    >GFA
    >
    Non-responsive content removed
    >VOLKSWAGEN GROUP ITALIA S.P.A.
    >Non-responsive conte
    nt removed
    >Non-responsive content removed
    >Da Non-responsive content removed
    >Inviato: venerdì 25 marzo 2011 11.49
   Non-responsive content removed
    >Oggetto: Re: Failure of high-pressure fuel pump diesel C.R. market - Current situation for 4-cylinder
    Engines
    >2nd try without attachment.
    >Best regards
    >From: Non-responsive content removed
    >Sent: Friday, March 25, 2011, 11:46 AM
   Non-responsive content removed
```

EA11003EN-00312[3] >Subject: FW: Failure of high-pressure fuel pump diesel C.R. market - Current situation for 4cylinder Engines >Hello Mr. >The worldwide implementation of RP1+ and inlet valve screen is planned for next week (Wk13). >But, confidential information for you: There is still conflict with about who will pay the modification costs. >Bosch is threatening to not implement the change if does not pay the costs. >This topic is being negotiated by top management. >It is beyond our sphere of influence. >Best regards >Non-responsive content remov >AUDI AG Non-responsive content remov >Sitz/Domicile: Ingolstadt >Court of Registry/Registergericht: Local District Court Ingolstadt >Commercial Register No./HRB Nr.: 1 >Vorsitzender des Aufsichtsrats/Chairman of the Supervisory Board: Martin Winterkorn >Vorstand/Board of Management: Rupert Stadler (Vorsitzender/Chairman), Ulf Berkenhagen, Michael Dick, Frank Dreves, Peter Schwarzenbauer, Thomas Sigi, Axel Strotbek >Important notice: The above information is automatically added to this e-mail. This addition does not constitute a representation that the content of this e-mail is legally relevant and/or is intended to be legally binding. >Wichtiger Hinweis: Die vorgenannten Angaben werden jeder E-Mail automatisch hinzugefügt und lassen keine Rückschlüsse auf den Rechtscharakter der E-Mail zu. > > >From: Non-responsive content removed >Sent: Wednesday, March 23, 2011, 9:48 AM >To Non-responsive content removed >Subject: I: Failure of high-pressure fuel pump diesel C.R. market - Current situation for 4-cylinder **Engines** > >Hello Mr. >The damage rate of CR high-pressure fuel pumps has been reduced significantly since early 2011



```
Non-responsive content removed
>Oggetto: Report Wk 11/2011 - Failure of high-pressure fuel pump Diesel C.R.
>Dear Sir/Madam,
>Please find attached the update of our weekly report "Failure of high-pressure fuel pump" for
the period Wk 25/2009 to Wk 11/2011.
>In addition, 20 more failures have occurred or been reported in the
Wk11.
>INFO: All vehicles that were repaired with a new high-pressure fuel pump CP4.2 - RP 2
are marked in green in the file attachment "Report-Failures" under "Basic Data"
(40 high-pressure fuel pumps)
>Effective immediately, you will receive additional information with regard to the 23G7 recall campaign,
with evaluation of the cases completed through our warranty department. The completed cases will be
processed through warranty and goodwill requets.
>Failure situation incl. Wk 11/2011
> 6/09 7/09 8/09 9/09 10/09 11/09 12/09 1/10 2/10 3/10 4/10 5/10 6/10 7/10 8/10 9/10 10/10 11/10
12/10
>6 cyl. Engine with shavings 31 46 35 46 46 52 36 39 48 64 77 62 75 104 75 84 99 95 75
>4 cvl. Engine with sh>avings 1 8 7 8 12 13 12 13 13 20 29 30 33 64 46 46 62 67 53
>6 cyl. Engine without shavings 0 1 3 7 18 10 4 6 2 8 14 17 24
>4 cyl. Engine without shavings 0 0 0 0 4 1 1 1 1 3 1 2 5
>Total 32 54 42 54 58 65 48 53 64 91 128 103 113 175 124 141 176 181 157
>
> 1/11 2/11 3/11 4/11 5/11 6/11 7/11 8/11 9/11 10/11 11/11 12/11 1/12 2/12 3/12 4/12 5/12 6/12 7/12
Total
>6 cyl. Engine with shavings 49 53 28 0 0 0 0 0 0 0 6 0 0 0 0 0 0 0 1325
>4 cyl. Engine with shavings 30 40 25 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 633
>6 cyl. Engine without shavings 20 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 141
>4 cyl. Engine without shavings 4 3 3 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 30
>Total 103 99 60 0 0 0 0 0 0 0 8 0 0 0 0 0 0 0 2129
> < OLE object: Picture (Device Independent Bitmap) >>
                                                           SECTION CONFIDENTIAL
> < OLE object: Picture (Device Independent Bitmap) >>
> < OLE object: Picture (Device Independent Bitmap) >>
> < OLE object: Picture (Device Independent Bitmap) >>
> < File: Report Ausfall Hochdruckpumpe Diesel CR - Stand KW11.2011.zip >>
>Best wishes.
Non-responsive content rem
oved
Non-responsive content removed
```



EA11003EN-00316[0]



Date: 3/6/2009, 11:36:01 AM
Subject: Re: Water separators
Attachments: Wasserabscheidung.XLS

Hi all,

To get a bit more FDF (figures, data, facts) for this conference call, I filtered and evaluated the current fuel country list with regard to water content.

I proceeded as follows:

- * Filtering of all max. values to > 200 ppm (threshold of the EN590 standard)
- * Listed all samples over the years for the involved countries
- * As a basis for discussion, assessment (green, yellow, red) of these countries regarding the necessity of water separators.
- * Column N indicates, based on the example of Q7 MJ10, the countries for which our engines are approved.

With best wishes



Domicile/Sitz: Ingolstadt

Court of Registry/Registergericht: Amtsgericht Ingolstadt

Commercial Register No./HRB Nr.: 1

Chairman of the Supervisory Board/Vorsitzender des Aufsichtsrats: Martin Winterkorn

Vorstand/Board of Management: Rupert Stadler (Vorsitzender/Chairman), Ulf Berkenhagen, Michael Dick, Frank Dreves, Peter Schwarzenbauer, Axel Strotbek, Werner Widuckel

Important note: The above information is automatically added to this e-mail. This addition does not constitute a representation that the content of this e-mail is legally relevant and/or is intended to be legally binding upon Audi AG.

. , , , , , , , , , , , , , , , , , , ,
erdam, Berlin, Bern, Rome, Stockholm, Vienna.
CR systems with CP4, CRI3.x, DRV 3.x
wn samples with threshold > 500 (and/or1000) ppm water (se
al markets
c) in selected verification / functional cars
er) and what is already available (requested); activities are s
n components
through the filter (efficiency of separator???)
SECTION CONFIDENTIAL
art a conference call.
1



Protokoll/Aktennotiz





Our org. unit/code Extension Non-resp Fax

E-mail

April 2, 2009

Date

Minutes for TEKO "Water separation in the diesel fuel system"





Ion-responsive co ntent removed

In the PSK presentation on "EU 4 diesel for global markets", a water separator with sensing in the fuel system is requested by VW.

At Audi, the practical use of water separators in the fuel system is clearly questionable, especially since added costs of 15-30 €/vehicle can be expected here.

The objective of the TOKO is to examine the different standpoints and to plan the way forward if necessary.

Audi standpoint:

- There are no dependable data on field failures due to water in the fuel
- The reduction of warranty costs against Bosch is not possible as each case of corrosion is basically excluded (see TKU Bosch)
- Despite TKU, there are no clear guidelines from Bosch on perm. water content in the system (only a relative stipulation which permits any amount of water).
- A threshold from which corrosion is avoided does not exist. The statement that corrosion is prevented by water separators is therefore difficult to assess.
- From a technical and physical perspective, complete water separation is impossible
- With the addition of >5% biodiesel, the separation efficiency of water separators is drastically reduced (< 35%, Bosch TKU claims: 97%)
- Through the temperature differences in the fuel system alone, failure due to bonded water cannot be avoided.
- The analyses of the majority of countries have shown similar water contents as documented in DIN EN 590 in the past.
- If water separation for the outliers of this field study is to be developed, these reservoirs of >10 l must be provided at 10,000 km (no installation space in the package)
- Already separated water in current systems is fed back into the fuel, thus returning to the HPP or the injectors.

Protokoll TEKO mit VW 01.04.09 EN.doo



VW standpoint:

- According to VW, there is CoD (corrosion by water) at Skoda due to the lack of a water separator
- Experiences of the competition. In the TATA operating manual, reference is made to regular checking incl. the draining of water by the customer.
- In addition to the fuel list of the central laboratory, VW also presents information which is used for categorizing poor fuel countries

A consensus for risk assessment and effectiveness of the technical solution cannot be reached in the TEKO.

Further procedure:

- VW will compile the CoD Skoda (where possible with analysis results), compare this with the Crafter and send the information to Audi – EAD/1, Mr. Pott.
- VW will send Audi the additional information for categorizing critical fuel countries –
- According to the statement of VW sensor development, a water sensor will first be available in approx. 2 years (2011). will clarify this point once again and present the information.
- The use of a water separator is omitted from the Audi PSK presentation.

In the follow-up to TEKO, a trial with approx. 20 vehicles (PDW fleet) was suggested by Audi. Based on the guideline of the TE, 10 vehicles with 0.5 l water/tank filling and 10 vehicles with 0.1 l water/tank filling should be operated over at least 6 months. The CP 4-side fuel system will then be replaced and analyzed. Implementation clarification, Non-responsive content removed

ion-responsive content removed

02.04.09

Protokall TEKO mit VW 01.04.09 EN.doc