

From: Non-responsive content removed

To:

CC:

Date: 9/25/2008 6:22:25 PM

Subject: ANS: VW Q offensive

Attachments: [EHC_0406](#) Non-responsive content removed [Audi, CP4, Q-Gespräch Übersicht Aktivitäten gegen Triebwerksschäden 22-09-2008.ppt](#)
[EHC_0407](#) Non-responsive content removed [Audi, CP4 Provokationsversuch mit n.i.O. Laufrollen, 24-09-2008.ppt](#)
[EHC_0408](#) Non-responsive content removed [Audi, CP4 Übersicht Aktivitäten gegen Triebwerksschäden, 24-09-2008.ppt](#)

Dear Non-responsive content removed

Attached are the slides from the technical meeting for your meeting tomorrow.

Development activities
Production activities

& Provocation failure slide (supplemented)

Best regards / Mit freundlichen Grüßen

Non-responsive content removed

Robert Bosch GmbH Diesel Systems

Non-responsive content removed

Domicile/Sitz: Stuttgart
Court of Registry/Registergericht: Local District Court
Stuttgart Commercial Register No. 14000 Chairman of
the Supervisory Board: Hermann Scholl;
Management: Franz Fehrenbach, Siegfried Dais;
Bernd Bohr, Rudolf Colm, Gerhard Kümmel, Wolfgang Malchow, Peter Marks; Volkmar Denner, Uwe Raschke, Peter Tyroller

-----Original message-----

From: Non-responsive content removed

Sent: Tuesday, September 23, 2008 6:18 PM

To: Non-responsive content removed

Cc:

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Subject: RE: VW Q offensive

Mr. [REDACTED]

Here are the updates:

Regarding 3.1) Replication endurance run with faulty roller shows failure after 35h on test bench

Regarding 4.2)

- Q7 filter shows leaks in test if pressure is too low, (i.e. air can be drawn in), B8 filter does not exhibit this behavior.

Current assessment as relevant cause of failure: unlikely, max. in combination with other parameters

Regarding 4.3) will not be carried out, as no further knowledge to be gained

Regarding 4.4) Endurance run with air intake will be carried out in combination with insufficient belt tension; start scheduled in Wk 40, first results expected in Wk 41/42

Other items should be added, if necessary, based on technical meeting.

I have now created a slide for the production activities (see attachment).

Please note: regarding item 1.2) I had to make the following correction: The introduction of camera monitoring is not to be expected by Wk 44, but the ordering of the 1st system instead. The actual implementation is expected to take place in 4/2009.

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[REDACTED] is responsible for transferring the measures to a presentation (Excel list) in the same way as the cleanliness measures.

Best regards / Mit freundlichen Grüßen

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Robert Bosch GmbH

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Domicile/Sitz: Stuttgart

Court of Registry: Local District Court Stuttgart

Commercial Register No. 14000 Chairman of the Supervisory Board: Hermann Scholl;

Management: Franz Fehrenbach, Siegfried Dais;

Bernd Bohr, Rudolf Colm, Gerhard Kümmel, Wolfgang Malchow, Peter Marks; Volkmar Denner, Uwe Raschke, Peter Tyroller

-----Original message-----

From: Non-responsive content removed

Sent: Friday, September 19, 2008 1:53 PM

To: Non-responsive content removed

Cc:

Subject: Re: VW Q offensive

Dear Non-responsive content removed

I think the text is copied 1: 1 from Non-responsive content removed slides; this means you do not need to correct it, but instead just report the open results, or dates, where not yet defined.

In addition, please write down all production measures we discussed in yesterday's teleconference in the same way; VW will then copy this in again. Thank you.

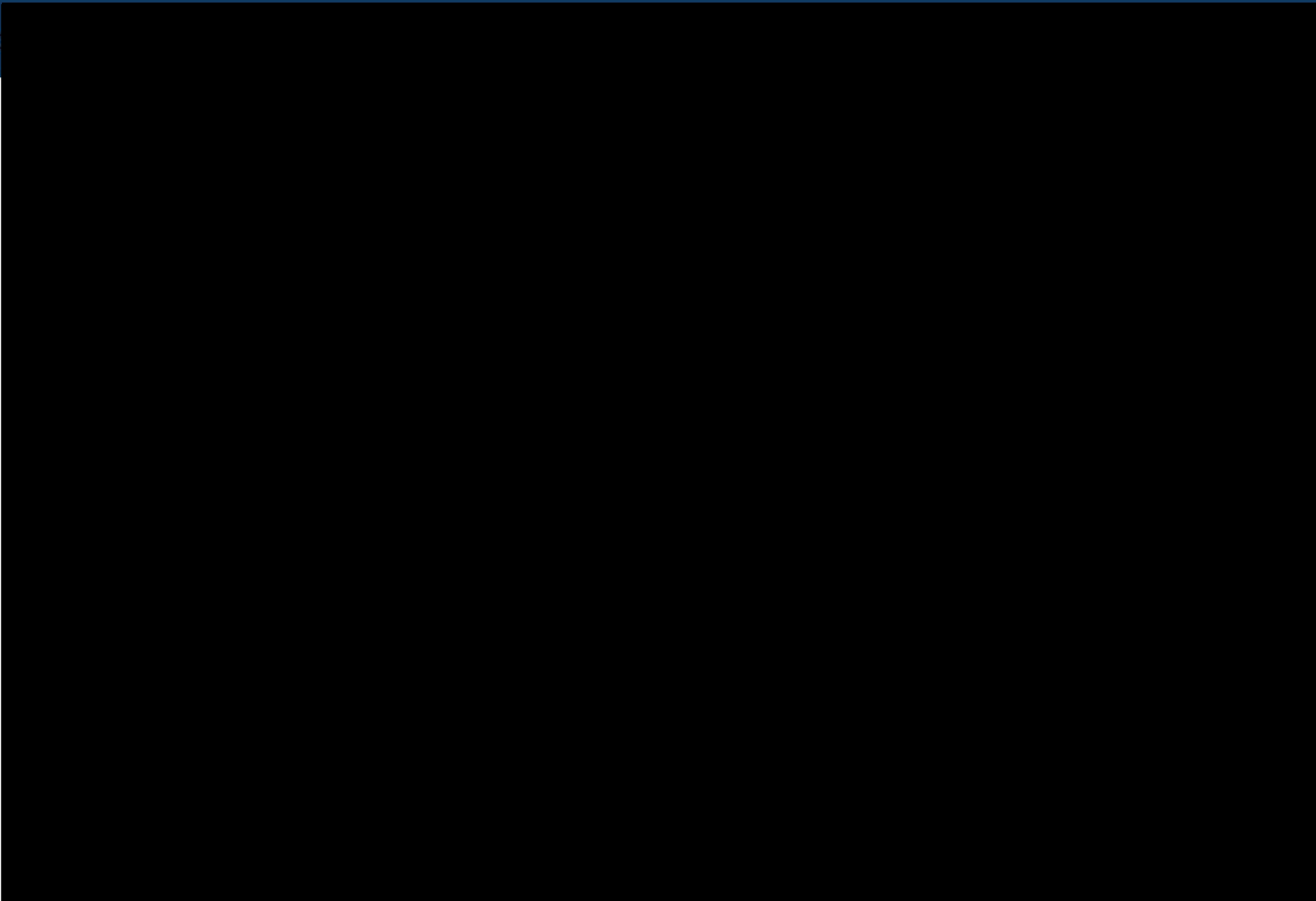
PS: Proposal: Shall we take a look at it together on Wednesday in NSU in the technical meeting?

Best regards,

Non-responsive content removed

AUDI AG

Non-responsive content removed

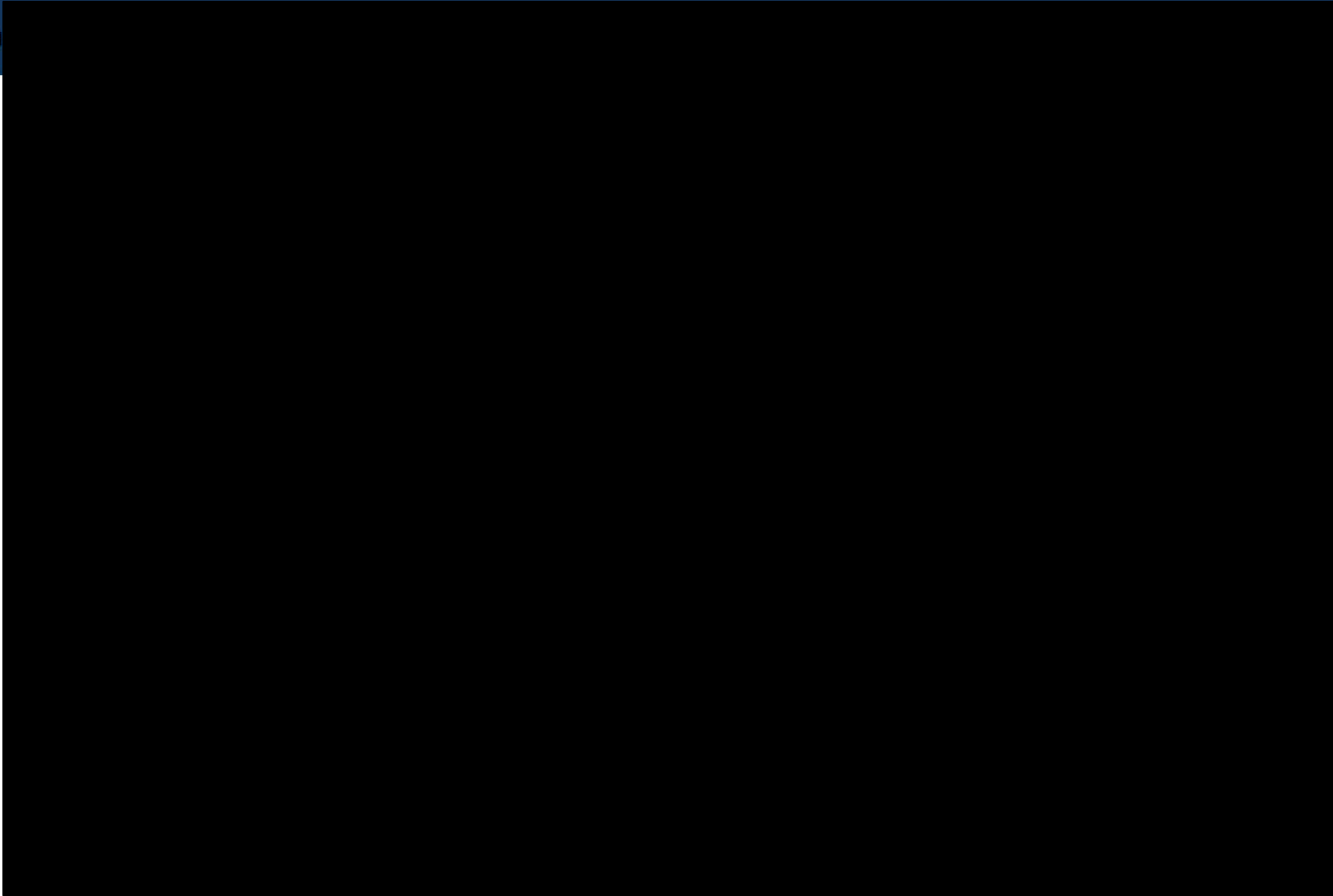


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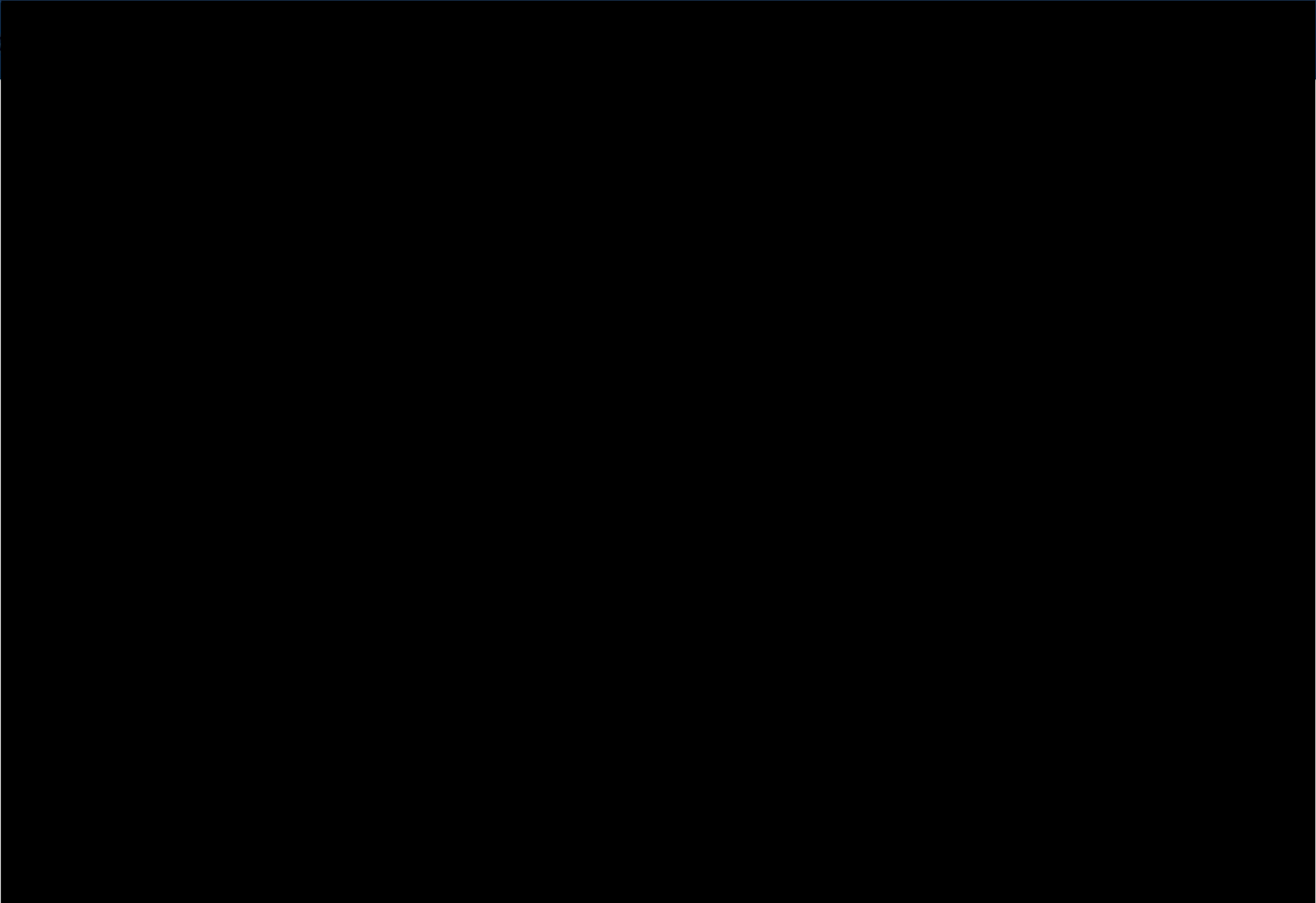


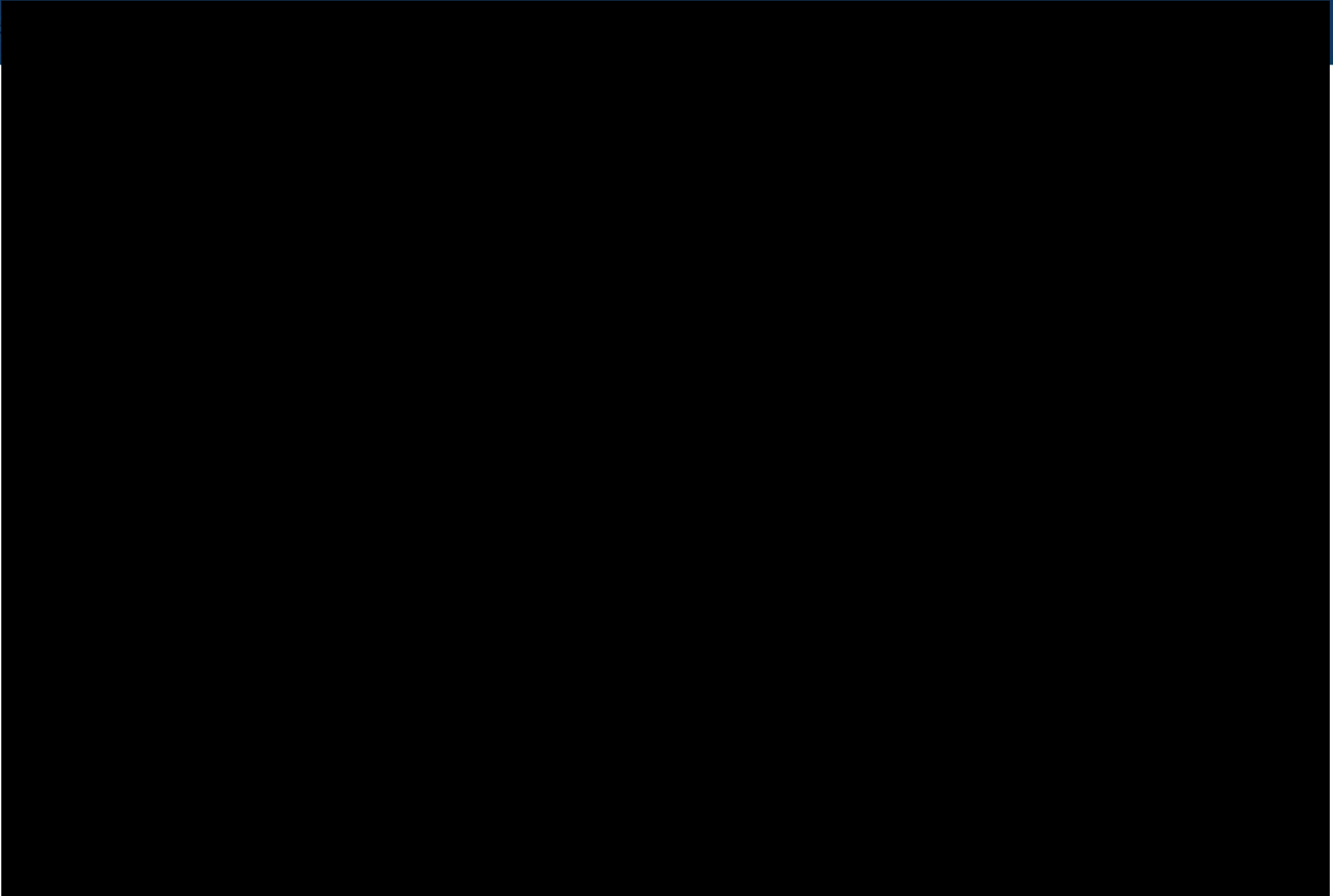
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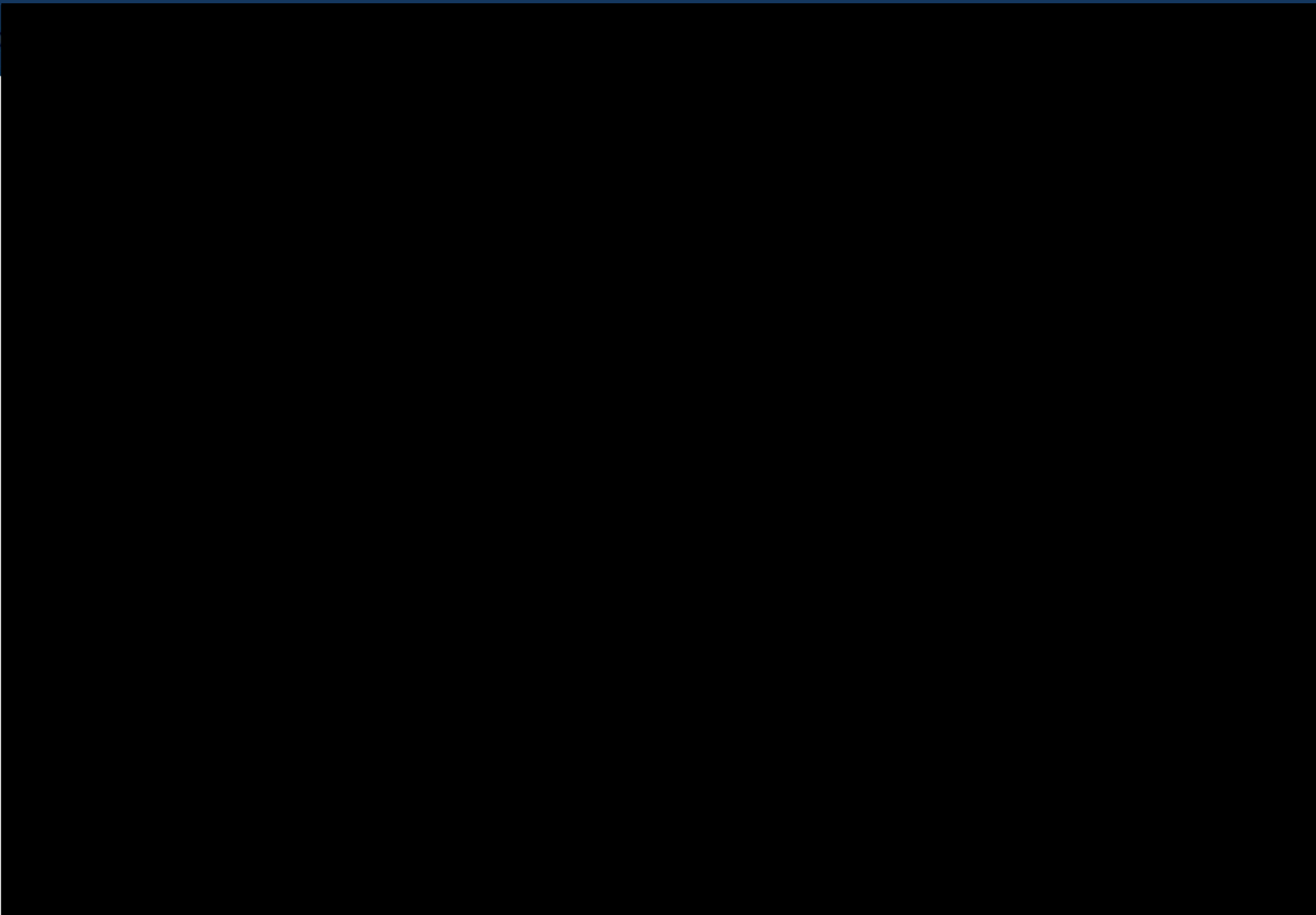
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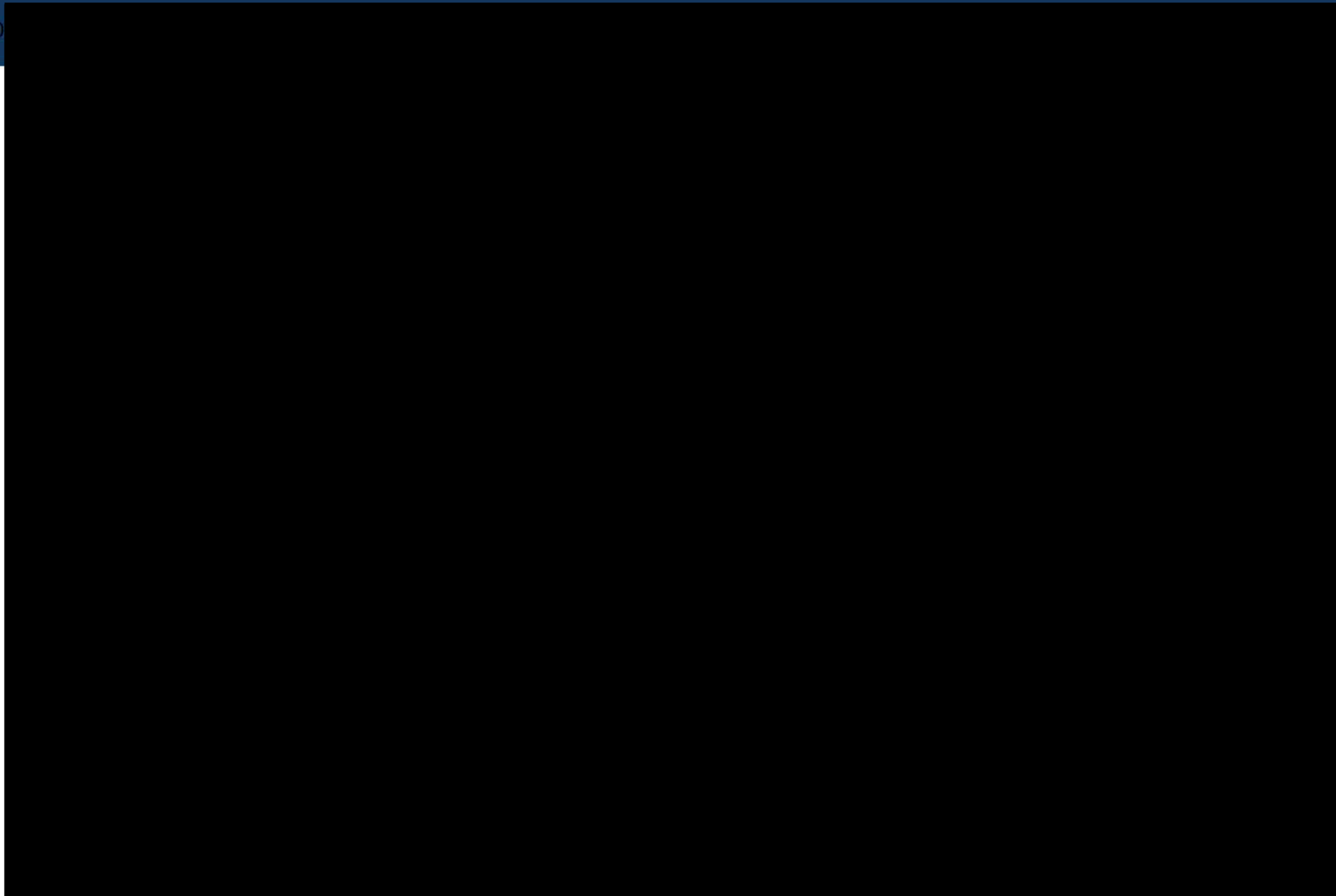


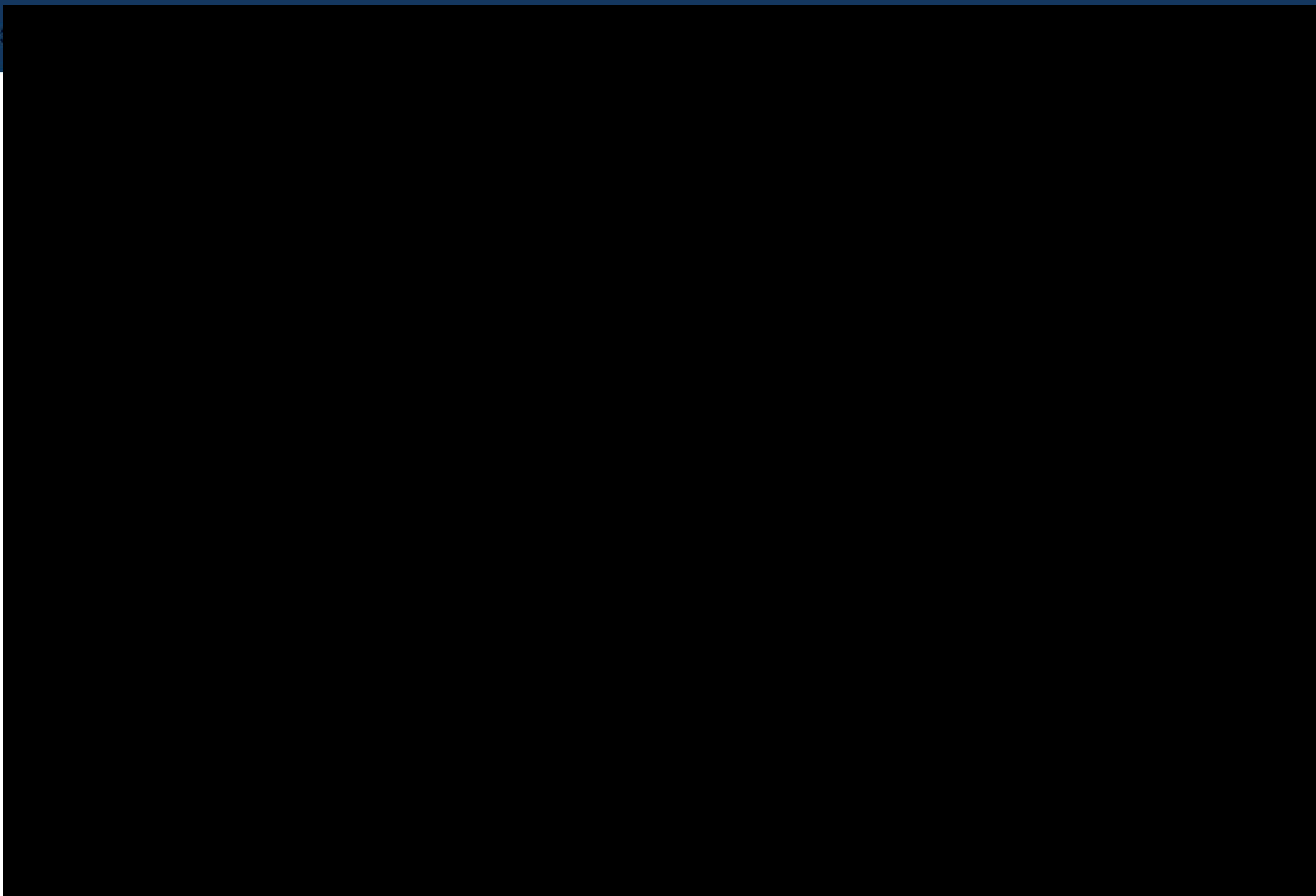
BOSCH

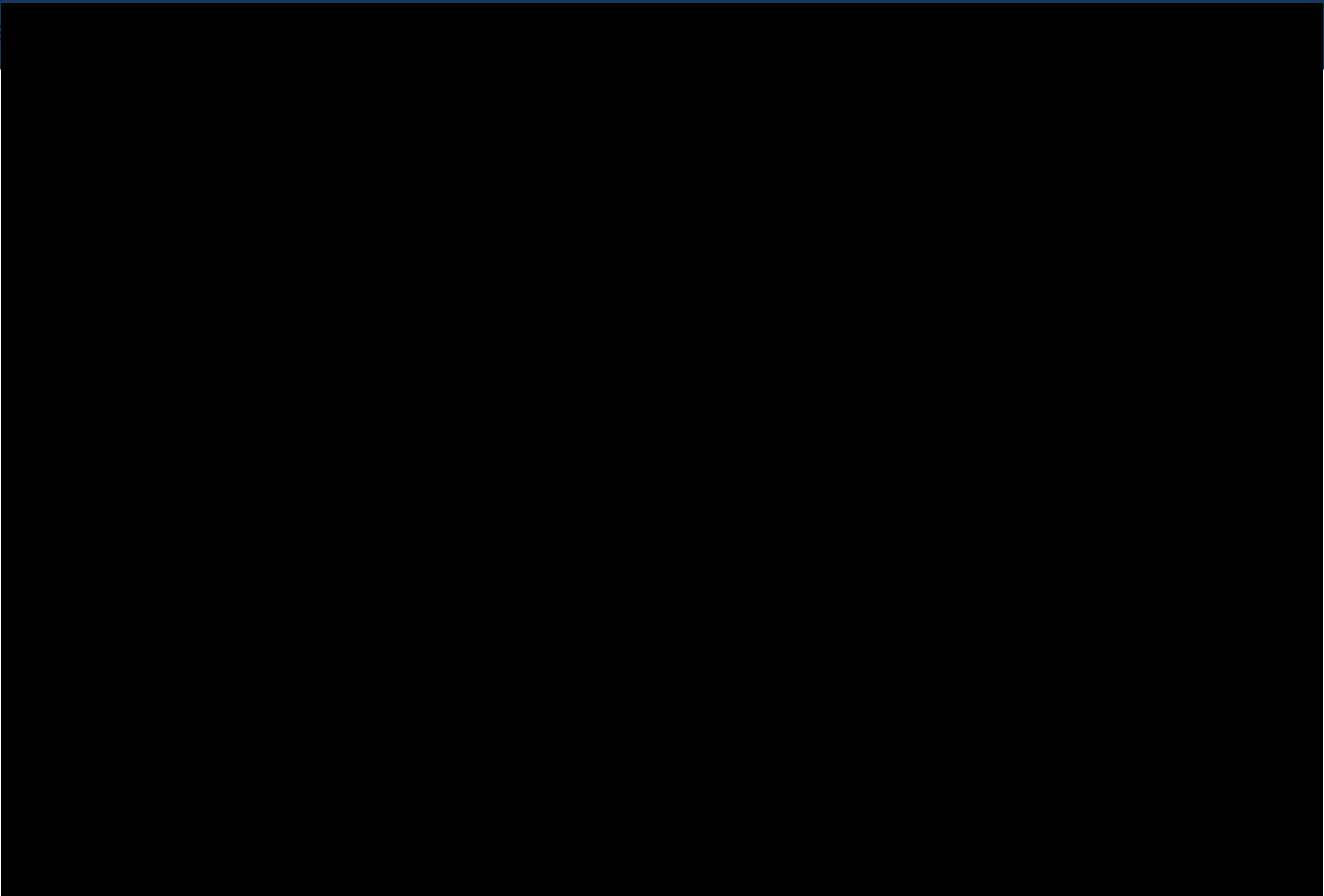




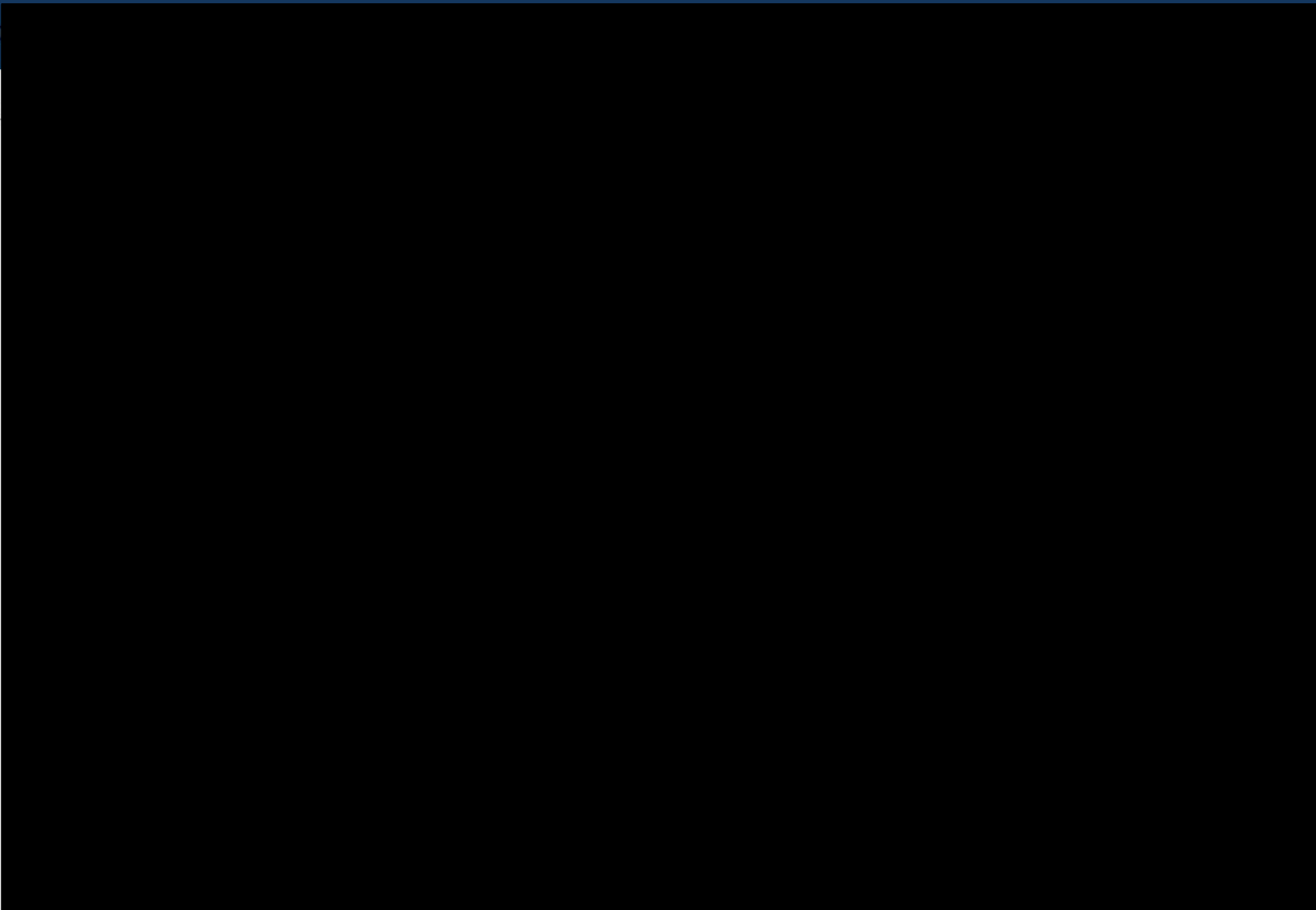








In

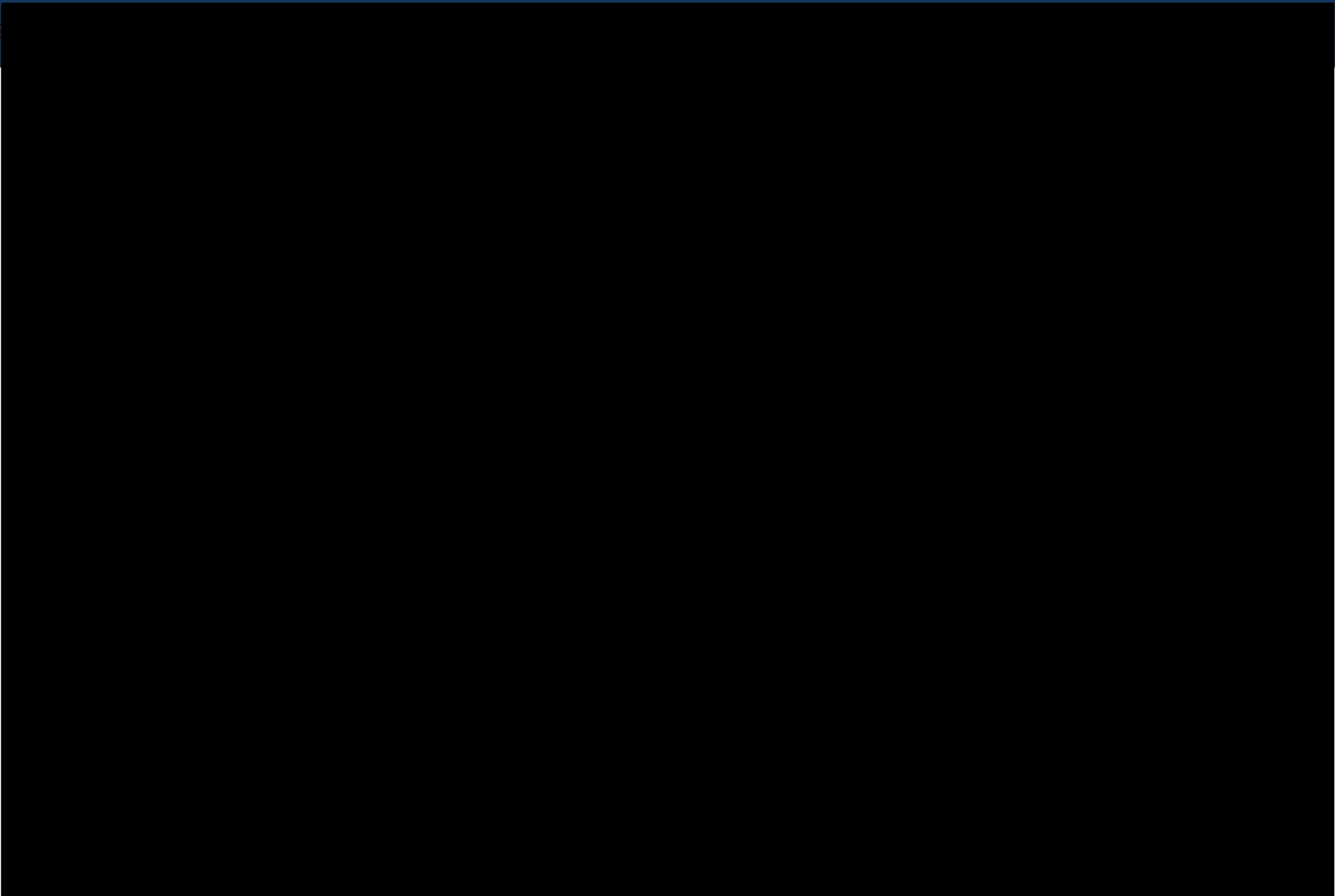


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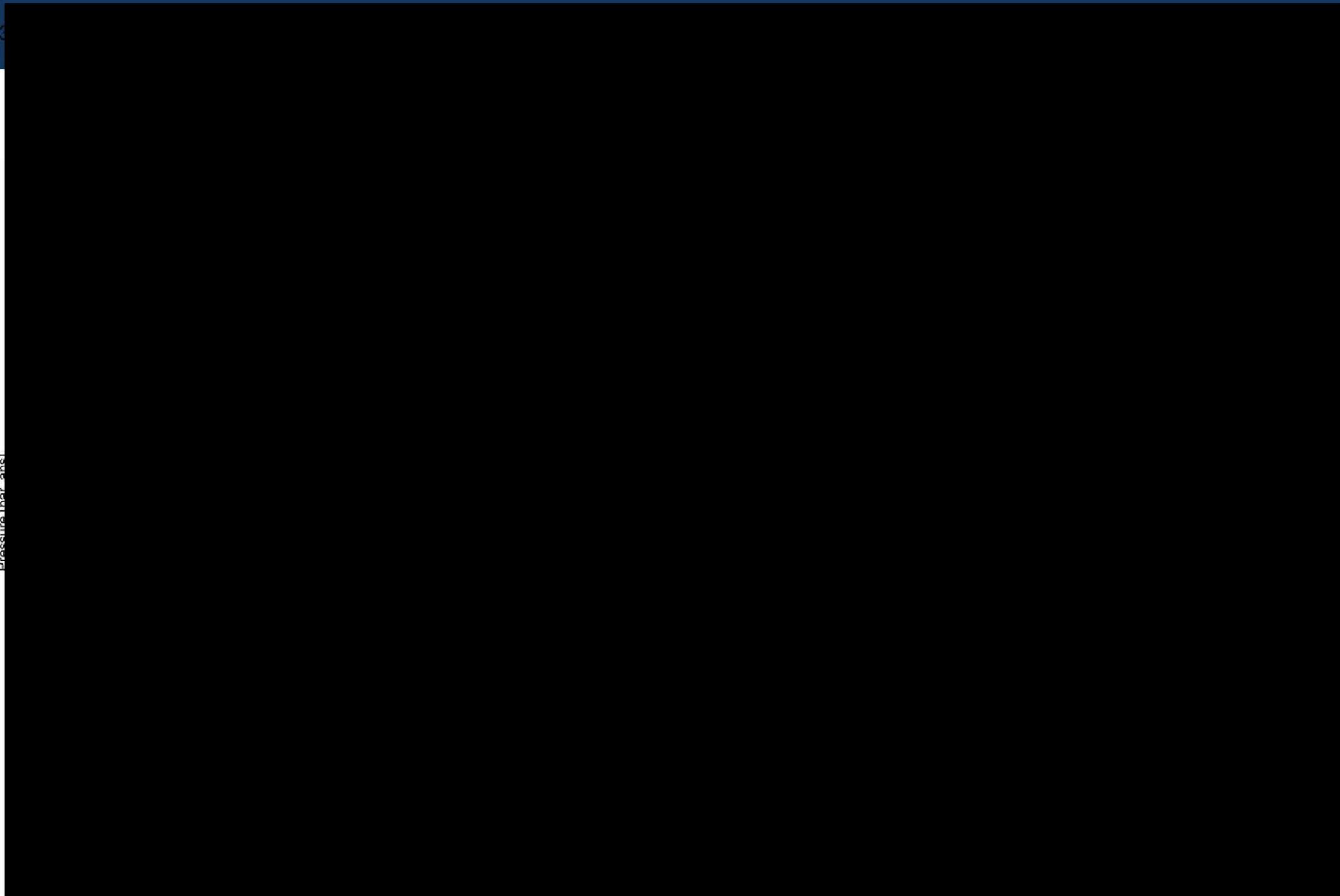
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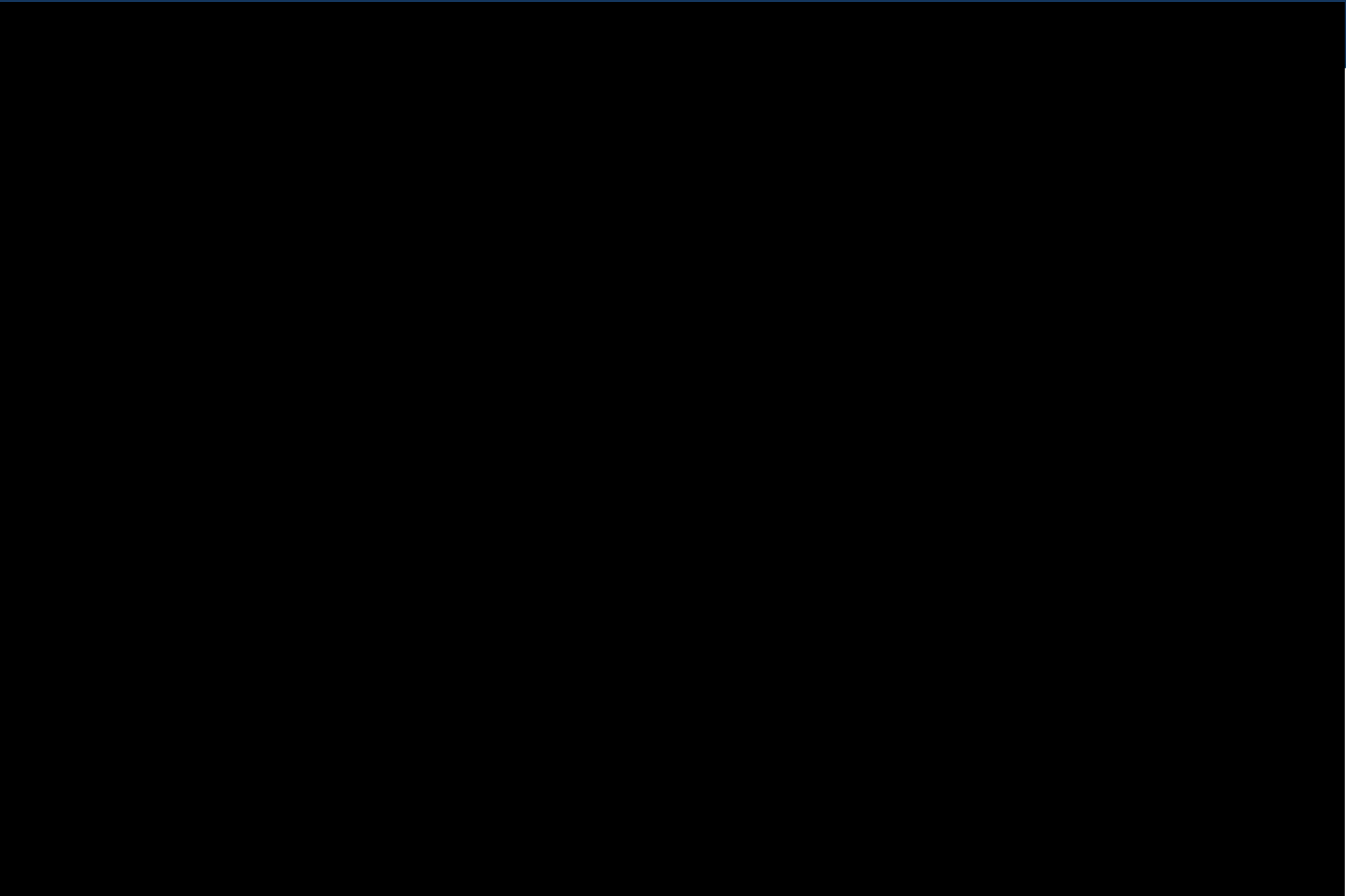


Pressure (bar, absolute)



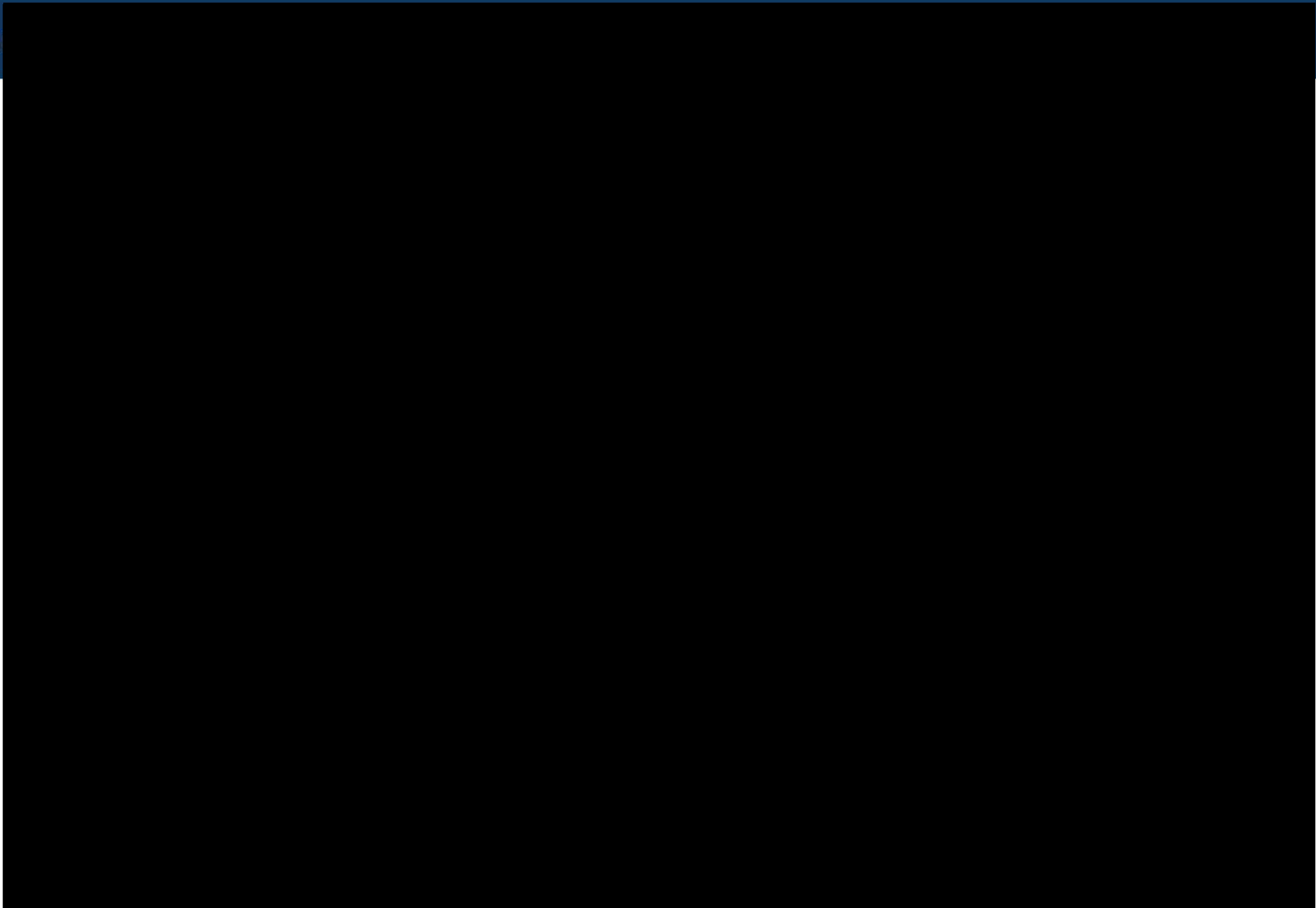
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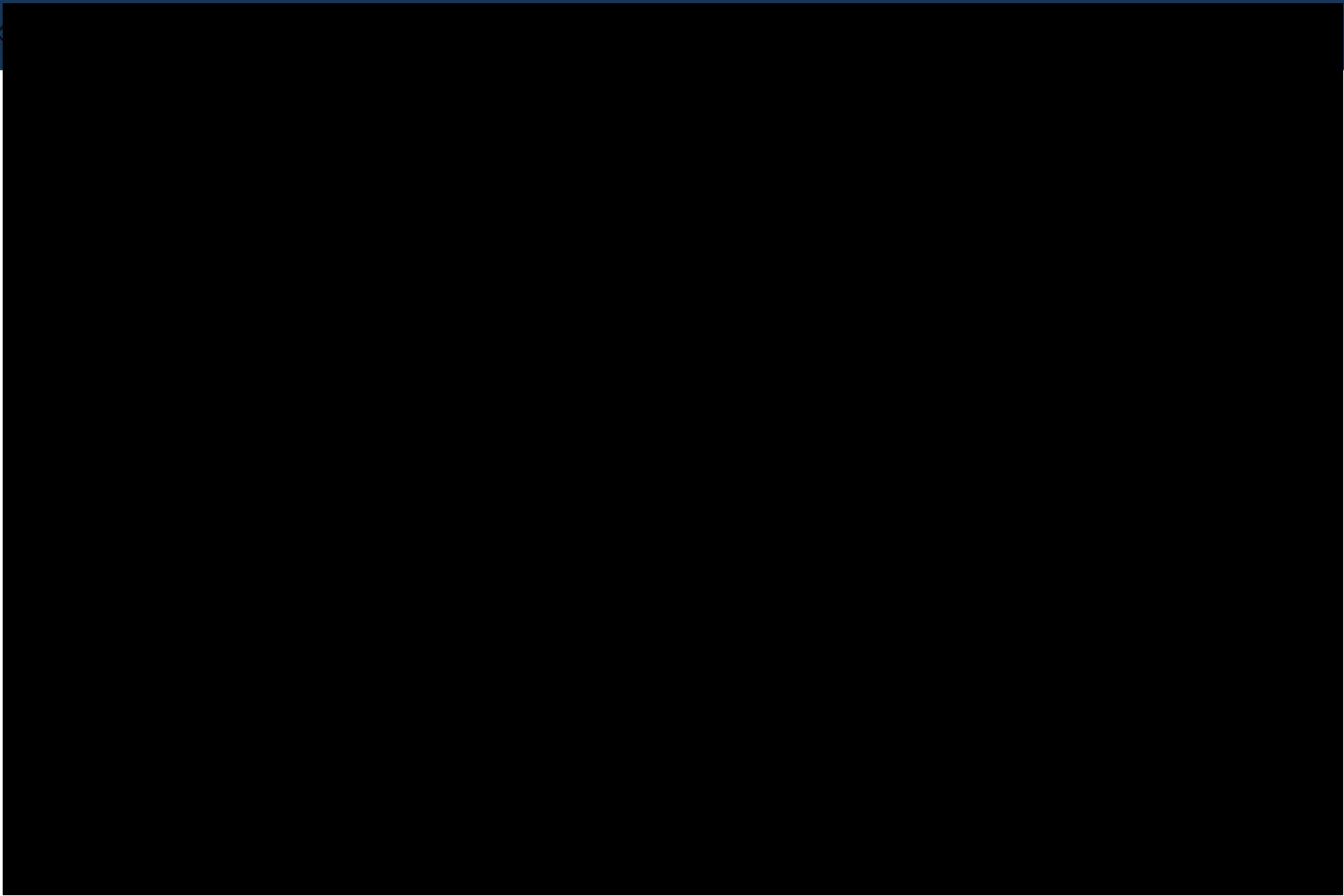




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From: Non-responsive content removed
To:
CC:

Date:

Subject: RE: EFT documentation

Attachments: [HDP_gefressen_am_KT.ppt](#)

Hello

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Here is a brief summary. It highlights the entire test run and shows on the curves (rail pressure and engine breakaway torque are important to us here) where there are any striking features.

Please forward to those responsible!

Non-responsive content removed

www.audi.hu

From: Non-responsive content removed

Sent: Tuesday, March 25, 2008 4:20 PM

To: Non-responsive content removed

Cc:

Subject: EFT documentation

Hi

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Please send the *.xls files. These show a lot more data,... (e.g. torque)

Best wishes

Non-responsive content removed

From: Non-responsive content removed
To:
CC:

Date: 11/30/2009, 5:07:00 PM
Subject: Field failures of CP4 high-pressure fuel pumps
Attachments: [Pumpen DMC Charge613 und 578.xls](#)

Hello

I have an unusual request of you.

We (Bosch and Audi) have been commissioned by both management boards to form a task force to clarify and eliminate the excess number of failures in

Background see further below in this mail.

Here is the list with the **2 batches of engine numbers** (2 folders).

For this, we now need **the vehicle number and delivery country from each vehicle plant** (etc.).

According to cannot allocate the vehicle numbers.

has clarified with the Vehicle Steering that the allocation between vehicle number and country is possible.

Best regards

Non-responsive content removed

From: Non-responsive content removed

Sent: Monday, November 30, 2009, 3:27 PM

Non-responsive content removed

Subject: FW: Pump DMC from special batches

Hi all,

Here is the supplemented list with engine numbers.

With best wishes

Non-responsive content removed

From: Non-responsive content removed

Sent: Monday, November 30, 2009 9:37 AM

EA1 Non-responsive content removed

Subject: Re: Pump DMC from special batches

Hello [redacted]

We urgently need your support once again!

Please add the engine number and, where possible, the vehicle identification number and the vehicle plant.

We can then obtain the country from the Vehicle Steering departments from the plants.

Attention: 2 folders.

Background:

C coating batch 578 is a batch with a particularly low failure rate in the field, batch 613 is a particularly poor batch; however, both are from a time with high failure rates before April 2008.

Bosch is comparing the saved production and control parameters to this end.

The goal is to reproduce the production parameters with the lowest failure rate.

To enable correct assessment of the failures, we have to know which markets these pumps were delivered to.

Thank you.

Best regards

Non-responsive content removed

From: Non-responsive content removed

Sent: Monday, November 30, 2009, 8:07 AM

Non-responsive content removed

Subject: Re: Pump DMC from special batches

Good morning [redacted]

OPL number 59:

here is the list of pump numbers for OPL number 60

Best regards

Non-responsive content removed

www.bosch.com

Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried Dais; Bernd Bohr, Rudolf Colm, Volkmar Denner, Gerhard Kümmel, Wolfgang Malchow, Peter Marks, Peter Tyroller; Uwe Raschke

From: Non-responsive content removed
Sent: Friday, November 27, 2009, 3:51 PM
To: Non-responsive content removed
Subject: Pump DMC from special batches

Dear Non-responsive content removed

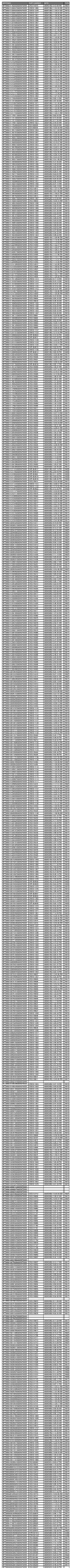
For forwarding to Audi, here are the DMC lists for the pumps in which roller supports

- a) from batch 613
 - a) from batch 578
- were installed.

It would be interesting to know the distribution with which the markets were supplied, to estimate which of the two batches was exposed to a higher risk.

Mit freundlichen Grüßen / Best regards

Non-responsive content removed



From: Non-responsive content removed

To:

CC:

Date: 2/4/2010, 4:39:49 PM

Subject: Re: Status report CP4 failures at AUDI

Attachments: [AUDI CP4 Wochenbericht 270110.ppt](#)
[TS Wochenstatus 29_01_10.ppt](#)

Good morning, gentlemen,

I'm going to show you how to write a status report for the boss, so you can learn how to do it efficiently and eventually do it by yourself (like [redacted] and I) :-). Our colleague [redacted] is currently collecting the information on the current failure situation for me. I'll be happy to provide formulation assistance online :-). Where are you? I feel so alone.

Best regards,

[redacted]

>
>From: Non-responsive content removed
>Sent: Thursday, February 04, 2010, 3:34 PM
>To: Non-responsive content removed
>Subject: Re: Status report CP4 failures at AUDI
>>

>
>
>From: Non-responsive content removed
>Sent: Monday, February 01, 2010, 4:48 PM

Non-responsive content removed

>Subject: Re: Status report CP4 failures at AUDI
>>

>With best wishes

>
>[redacted]

>
>From: Non-responsive content removed
>Sent: Monday, February 01, 2010, 3:21 PM

Non-responsive content removed

>Subject: Status report CP4 failures at AUDI

>Dear Sirs,

>Please find attached a status report on the CP4 failures at AUDI, coordinated between AUDI and Bosch, and a status report from I/GQ-22 on this subject.

>With best wishes

>
>Non-responsive content removed

>AUDI AG

Non-responsive content removed

>
>Sitz/Domicile: Ingolstadt
>Registergericht/Court of Registry: Local District Court Ingolstadt
>HRB Nr./Commercial Register No.: 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, Axel Strotbek, Werner Widuckel
>
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>

From: Non-responsive content removed
To:

CC:

Date: 2/15/2010, 11:21:54 AM

Subject: Re: CP4 weekly report 10022010

Attachments: [AUDI CP4 Wochenbericht 10.02.10.ppt](#)

Good morning gentlemen,

Attached please find the status report for the CP4 failures at AUDI dated 2/10/2010.

Please distribute this within VW/AUDI; I will handle RB internal distribution.

Mit freundlichen Grüßen / Best regards

Non-responsive content removed

Robert Bosch GmbH

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www.bosch.com

Non-responsive content removed

Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart, Commercial Register No. 14000;

Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried Dais; Bernd Bohr, Rudolf Colm, Volkmar Denner, Gerhard Kümmel, Wolfgang Malchow, Peter Marks, Peter Tyroller; Uwe Raschke

From: Non-responsive content removed
To:

CC:

Date: 1/25/2011, 6:07:32 PM

Subject: QTS collective final report for CP4 [REDACTED]

Attachments: [110124_Sammelabschluss-AUDI-8D.ppt](#)

Hi all,

We have completed around 600 pumps with error key "Special Analysis [REDACTED]" (or something like that) with an IT collective closing in QTS.

The analysis results with measures for all [REDACTED] pumps in **the 2008-2010 complaint period**

was compiled by Bosch (with my collaboration) for **668 pumps** (499 V6 TDI and 169 R4 CR) in the attached report.

All other countries will be completed in individual processes.

Best regards

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From: Non-responsive content removed
To: [Redacted]

Date: 8/4/2011, 4:18:00 PM

Subject: Fuel quality [Redacted]

Attachments: [609_105.pdf](#)

Hello [Redacted]

Please find enclosed correspondence between Bosch and a member of [Redacted] the association of the [Redacted] petroleum industry. (I have deleted the names in the correspondence).

As you can read, the oxidation stability of [Redacted] diesel is currently still outside the European EN590 standard in more than 30% of the samples (see attachment).

Despite the ongoing efforts of Bosch, the [Redacted] petroleum industry is apparently not willing to fulfill the quality standards of the European Union.

Particularly in a "hot" country like [Redacted] the oxidation stability (with biodiesel blends) is especially important.

P.S.: I am trying to get my hands on an existing complaint letter from FIAT to the [Redacted] petroleum association.

We are considering getting Volkswagen / Audi to send a letter to the association as well.

Best regards

Non-responsive content removed

Sitz/Domicile: Ingolstadt

Registergericht/Court of Registry: Local District Court Ingolstadt

HRB Nr./Commercial Register No.: 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

EA11003EN-01817[1]

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From:
Sent: May 2011
To:

Dear,

in the meantime we have prepared a set of slides demonstrating the fuel quality situation as outlined below, see the attachment: more than 30% of fuel samples of the campaign Winter 2010/2011 were out of spec, which is a not acceptable status. We hope that you and your colleagues find the correct measures for sustainable improvement.

Best regards
Robert Bosch GmbH

From:
Sent: May 2011
To:

Dear,

eventually and hopefully you remember our visit to [REDACTED] one and a half year ago, and the interesting discussion on fuel quality in [REDACTED]

Our main concern at that time was that a survey had revealed that **oxidation stability on 4 from 20 fuel stations was out of EN590**). Insufficient oxidation stability can cause corrosion and deposit formation in modern fuel injection equipment and therefore has to be safely avoided, see also the common position statement of the world's most important fuel injection equipment manufacturers.

A new survey has been performed in winter 2010/2011 by a consortium of vehicle and fuel manufacturers and automotive suppliers, and **to our greatest surprise and disappointment this time 3 from 10 samples were out of spec** with respect to oxidation stability (the lowest value being down to 7.1 hours compared to a specified limit of 20 hours minimum), which means that the **fuel quality in [REDACTED] on average did not improve but deteriorate**.

This is reflected again by the fact that the number of customer claims in [REDACTED] is still higher than in the rest of [REDACTED]. Oxidation stability as low as was found in [REDACTED] is only available in countries like [REDACTED] Non-responsive content removed but not in countries where driving a diesel passenger car is as popular as in [REDACTED]

We therefore once again ask you **urgently to apply further measures to bring fuel quality in [REDACTED] at least to a status as required by EN590, in order to protect the end customer safely from harm and expensive repair actions.**

If you need further information we would be happy to supply (as far as we are allowed under the restrictions imposed by the sampling consortium).

Best regards
Robert Bosch GmbH

From:
Sent: December 2009
To:

Dear,

thank you to you for your visit in [redacted] and for the very interesting discussion that we had on diesel quality. Thank you also for your extra slide with the measures you recommend to solve the problem.
Please find enclosed my presentation. Mr.(note: from ENI) will provide you with his slides.

I will report the situation to all companies expert in [redacted] at beginning of January and we will decide how to go on. I will let you informed if additional information will be needed or a new meeting need to be planned.

I wish you all a Prosperous New Year

Regards

Non-responsive content removed

----- Original Message -----

December 2009

From:

To:

Dear,

thank you once again for the opportunity to discuss the fuel quality on the [redacted] market with you.

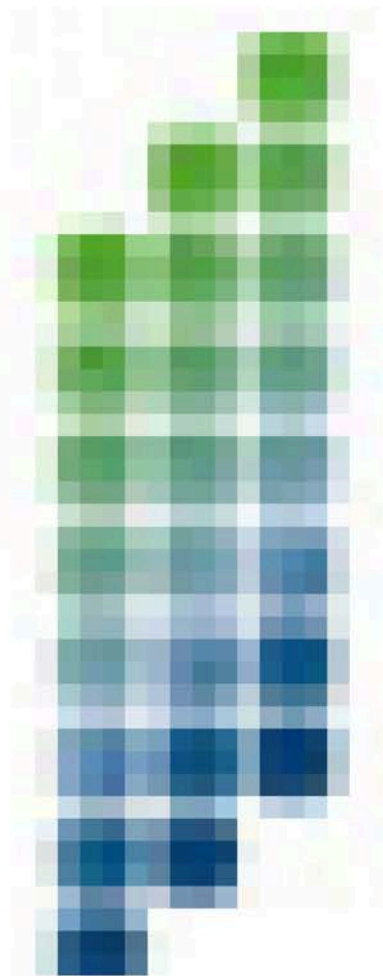
Please find attached the slides that we have presented. In contrast to what I had announced I did not delete the names and brands of the filling stations where fuel was sampled, but I only deleted their address. I have also added one slide with the measures that we think are necessary to re-improve the quality again to the level it was before increasing the biodiesel portion.

We would appreciate to also receive copies of your slides.

Best regards

Robert Bosch GmbH

125



Bosch

1999-2011

From: Non-responsive content removed
To: [Redacted]

CC: " " **Date:** 11/18/2009, 10:02:00 AM

Subject: Re: Q Conference Slides

Attachments: [TOP05.1_Robustheitssteigerung für kraftstoffkritische Märkte_v13.pdf](#)
[TOP05.2_CP4 Q Status \[Redacted\]_v13.pdf](#)

Hi all,

I would like to say a few final words about this set of slides at today's task force meeting.

Non-responsive content removed
[Redacted]

Sitz/Domicile: Ingolstadt

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

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From: Non-responsive content removed
[Redacted]

EA11003EN-01824[1]

Sent: Wednesday, November 18, 2009, 8:59 AM

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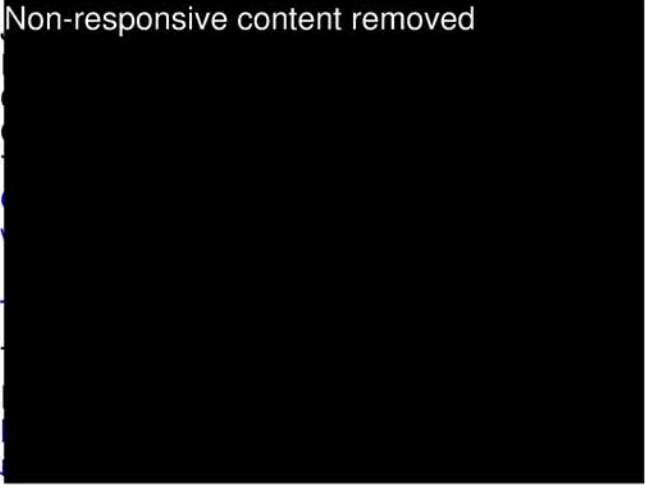
Subject: Q Conference Slides

Hello,

attached please find the updated slides for the Q Conference.

Mit freundlichen Grüßen / Best regards

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Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried
Dais; Bernd Bohr, Rudolf Colm, Volkmar Denner, Gerhard Kümmel, Wolfgang Malchow, Peter
Marks, Peter Tyroller; Uwe Raschke

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From: Non-responsive content removed

To:

CC:

Date: 2/11/2010, 12:07:59 PM

Subject: Set of slides for tomorrow's Audi meeting

Attachments: [1028_V05_EHP](#) [Audi Gespräch am 12.02.2010, 11-02.2010.pdf](#)

Dear Non-responsive content removed

Here is the reduced set of slides for tomorrow's Audi meeting.

Mit freundlichen Grüßen / Best regards

Non-responsive content removed

Robert Bosch GmbH

Non-responsive content removed

Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart, Commercial Register No. 14000;
Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried
Dais; Bernd Bohr, Rudolf Colm, Volkmар Denner, Gerhard Kümmel, Wolfgang Malchow, Peter Marks,
Peter Tyroller; Uwe Raschke

From: Non-responsive content removed

To:

CC:

Date: 3/19/2010, 9:33:00 AM

Subject: Re: Set of slides: Task force status

Attachments: [1028_V09_EHP4](#) [Status Task Force CP4 Triebwerk, 17-03-2010.pdf](#)

Hello Non-responsive content removed

Please find attached the set of slides by Non-responsive content removed from Wednesday, March 17, from the Non-responsive content removed meeting.

Last page:

Did we/you agree that the RP1 4 x will run in the same version "without edge" (= 1.1 = new series) and the 4th variant "with edge" for comparison would not?!

When will the other two variants of the old C3 series "with/without edge" start as scheduled?

Note: We only defined 3 variants (= 6 outputs) at first; the 4th variant was open due to the availability of test benches.

With best wishes

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From: Non-responsive content removed

Sent: Friday, March 19, 2010, 8:35 AM

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Subject: Set of slides: Task force status

Hello Non-responsive content removed

Here is the set of slides that was presented at the CP4 drivetrain status task force meeting on March 17, 2010.

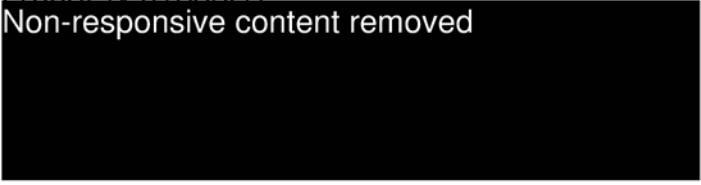
Mit freundlichen Grüßen / Best regards

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Robert Bosch GmbH

Non-responsive content removed

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From: Non-responsive content removed
To:
CC:



Date: 5/19/2010, 6:54:49 PM
Subject: Anti-wear packages for diesel high-pressure fuel pump CP4
Attachments: [1193 EHP4](#) [Non-responsive content removed](#) [Status CP4, 18-05-2010.ppt](#)

Hello [Non-responsive content removed](#),

As we discussed yesterday in the framework of the diesel quality campaign, here is the summary for RP1 and RP2. Now that the failures in Italy and even [Non-responsive content removed](#) have begun increasing for the R4 CR as well, the markets and Audi customer service demand activities for the 4-cylinder too. We will examine whether the failures are in the new or old production status and then respond appropriately; this means we will have to assess together with VW whether the RP1 (not RP2) needs to be introduced for the R4 CR also in [Non-responsive content removed](#) along with the already planned [Non-responsive content removed](#), that is to say, consequently, worldwide.

Best regards

Non-responsive content removed

From: Non-responsive content removed
To: [REDACTED]
CC: [REDACTED]
Date: 9/2/2010, 2:29:20 PM
Subject: Re: Problem with high-pressure fuel pump index 755 BB
Attachments: [Q-Offensive Diesel 02.08.10.ppt](#)
[Status CP4 \[REDACTED\].etc..msg](#)
[1241 V07 EHP4 \[REDACTED\] Task Force - Robustheitspakete CP4 mit Backup 08-07-2010.ppt](#)

Hello [REDACTED]

Here is the latest information (presentation) on the topic.

We are in regular contact with VW within the framework of the quality campaign (the last appointment was exactly one month ago).

I think our colleagues should be up to date, but you can forward the documents are needed.

With best wishes

Non-responsive content removed
[REDACTED]

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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, Axel Strotbek, Werner Widuckel

Wichtiger Hinweis: Die vorgenannten Angaben werden jeder E-Mail automatisch hinzugefügt und lassen keine Rückschlüsse auf den Rechtscharakter der E-Mail zu.

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.

From: [REDACTED]

Sent: Thursday, September 02, 2010, 3:05 PM

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[REDACTED]

Subject: FW: Problem with high-pressure fuel pump index 755 BB

Importance: High

Hello [REDACTED]

Our customer VW also has massive problems with the V6 TDI HPP in the [REDACTED] market. In this context, they have asked us to present the current situation and an action plan for eliminating the problem.

Could you please put a brief presentation together by tomorrow afternoon and send it to us and VW, as to how things will continue with Bosch?

Thanks in advance,

Regards

[REDACTED]

P.S. I'll call you later; I have a conference call right now...

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From: Non-responsive content removed

Sent: Tuesday, August 31, 2010 4:43 PM

Non-responsive content removed

Subject: FW: Problem with high-pressure fuel pump index 755 BB

Importance: High

Non-responsive content removed

A téma ^{Non-responsive content removed} ^{ed} ^{Non-responsive content removed} kérésére fent lesz a következő Q-offensíve-n (szept.06). Szerintem az lenne a legjobb, ha ^{Non-responsive content removed} vagy ^{Non-responsive content removed} prezentálná az aktuális standot, ill. tervezett intézkedéseket. Tudnátok Velük egyeztetni ebben az ügyben?

Köszü!

Üdv.

From: Non-responsive content removed

Sent: Thursday, August 26, 2010 8:34 AM

To: Non-responsive content removed

Subject: Re: Problem with high-pressure fuel pump index 755 BB

Importance: High

From: Non-responsive content removed

Sent: Wednesday, August 25, 2010, 3:39 PM

Non-responsive content removed

Subject: Re: Problem with high-pressure fuel pump index 755 BB

Importance: High

Hello colleagues,

Please add me to the distribution list for news and deployment dates.

Thanks and regards from ^{Non-responsive content removed}

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From: Non-responsive content removed

Sent: Wednesday, August 25, 2010, 3:26 PM

To: Non-responsive content removed

Subject:Re: Problem with high-pressure fuel pump index 755 BB

Importance:High

Second and final mail

From: Non-responsive content removed

Sent:Saturday, August 21, 2010, 10:40 AM

Non-responsive content removed

Subject:Re: Problem with high-pressure fuel pump index 755 BB

Importance:High

Keep the flags flying high

Non-responsive content removed

From: Non-responsive content removed

Non-responsive content removed

Sent: Sat Aug 21 08:39:51 2010

Subject: Problem with high-pressure fuel pump index 755 BB

Dear Sirs,

We have a problem with the 059 130 755BB component – high-pressure fuel pump – in

Non-responsive content removed

SITUATION:

Audi: 14 failures to date

VW: 10 failures to date

The problem is known and is already being processed (PCC (VW): BD 2010-0410), at Audi through).

Since the predecessor model (755 AH) is also affected by the failures, 206 BB pumps have currently been installed by dealers (Audi: 90, VW: 116).

Cause: Likely poor fuel quality (7 samples have been sent for analysis)

The next CS measure is an anti-wear package 2, which is slated for WK45/10.

QUESTIONS:

- 1.Does the anti-wear package 2 eliminate the major causes of the defect?
2. Are there any considerations on the part of the manufacturers (AUDI/VW) to downgrade the pumps to the 3 conrod version in the CS case? In our experience, these pumps are more robust.

Thanks and regards,

Non-responsive content removed

From: Non-responsive content removed

To:

CC:

Date: 8/6/2010, 8:59:41 AM

Subject: Status CP4 [REDACTED] etc.

Attachments: [0080869d_Wo_000 Status Vorort-Termin \[REDACTED\].pdf](#)
[AUDI CP4 Wochenbericht 04082010.ppt](#)

Hello [REDACTED]

You asked me to notify you of the results of the measurements in [REDACTED]

For the first 4 measured vehicles (with previous drivetrain damage), everything was according to the rules (Bosch TCD).

Bosch is continuing the measurements, Audi is consulted when anything untoward is found.

Since the failures have also been increasing recently for the 4-cylinder engines - as discussed at the TOP meeting on July 12, 2010 - particularly with the lengthwise mounting A4/A5/Q5 in [REDACTED] the low-pressure-circuit of lengthwise/transverse mounting vehicles will also be compared.

2-page summary status on the subject of on-site deployment in [REDACTED]

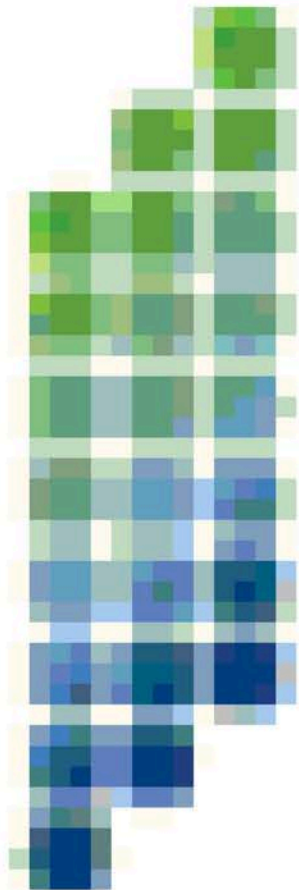
Here is the general status of the CP4 task force (weekly report) for the management:

Best regards

Non-responsive content removed

d

125



Bosch

1886-2011

From: Non-responsive content removed

To:

CC:

Date: 04.22.2008 9:39:55 AM

Subject: Updated set of slides DRIVETRAIN DAMAGE Audi

Attachments: [FeP_CP4_EVL_Triebwerk_20080421_22UHR33.pdf](#)
[Ausfälle_Triebwerk_Audi_080421.pdf](#)
[Ausfälle_Triebwerk_VW_080421.pdf](#)

Dear Non-responsive content removed

As discussed, please find attached the updated set of slides on the measures and status of drivetrain damage.

<>

<>

<>

Best regards

Non-responsive content removed

Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart Commercial Register No. 14000
Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried
Dais; Bernd Bohr, Wolfgang Chur, Rudolf Colm, Gerhard Kümmel, Wolfgang Malchow, Peter Marks;
Volkmar Denner, Peter Tyroller

EA11003EN-02031[0]

From: Non-responsive content removed

To:

CC:

Date: 08.01.2008 5:07:48 PM

Subject: CP4.2 drivetrain damage

Attachments: [Audi CP4 Triebwerksschäden_01.08.08.pdf](#)

Hello gentlemen,

Please find attached a brief summary of the situation and the further measures planned:

<<Audi CP4 Triebwerksschäden_01.08.08.pdf>>

Best regards / mit freundlichen Grüßen

Non-responsive content removed

Domicile: Stuttgart
Court of Registry: Local District Court Stuttgart Commercial Register No. 14000
Chairman of the Supervisory Board: Hermann Scholl;
Management: Franz Fehrenbach, Siegfried Dais;
Bernd Bohr, Rudolf Colm, Gerhard Kümmel, Wolfgang Malchow, Peter Marks;
Volkmar Denner, Uwe Raschke, Peter Tyroller

From: Non-responsive content removed

To:

CC:

Date: 10.17.2008 12:12:48 PM

Subject: Updated slides for drivetrain damage

Attachments: [Ausfälle_081015.pdf](#)
[Ausfälle_CP4_2_081015.pdf](#)
[Ausfälle_CP4_1_081015.pdf](#)

Dear

Non-responsive content removed

Please find attached 75% of the desired updated slides. I will send the remaining 25% early next week.

<> <> <>

Have a good weekend

Mit freundlichen Grüßen / Best regards

Non-responsive content removed

Domicile: Stuttgart

Court of Registry: Local District Court Stuttgart Commercial Register No. 14000

Chairman of the Supervisory Board: Hermann Scholl;

Management: Franz Fehrenbach, Siegfried Dais;

Bernd Bohr, Rudolf Colm, Gerhard Kümmel, Wolfgang Malchow, Peter Marks;

Volkmar Denner, Uwe Raschke, Peter Tyroller

From: Non-responsive content removed

To:

CC:

Date: 06.09.2009 1:54:03 PM

Subject: Preliminary minutes on the review of start-up support of R4 at VW / Audi

Attachments: [09_1911_d_F_QMM3_FCT_Review_VW_Audi_090402.pdf](#)
[2009_019_Protokoll_FCT_Review_VW_Audi_090402.pdf](#)

Dear Sir/Madam,

Please find enclosed minutes and attachment to our meeting on 04.02.2009 in **Non-responsive content removed**.
I once again apologize for the delay in preparing the minutes.

If anyone has been forgotten in the distribution list, I request you to forward the appropriate documentation.

Please feel free to contact me if you have any questions. However, please note that the bridging day is 6.12. at the site of Feuerbach once again has a general closing day.

Best regards

Non-responsive content removed

Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart, Commercial Register No. 14000;
Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried Dais; Bernd Bohr, Rudolf Colm, Volkmar Denner, Gerhard Kümmel, Wolfgang Malchow, Peter Marks, Peter Tyroller; Uwe Raschke

From: Non-responsive content removed

Sent: Thursday, May 14.2009 10:13 AM

Non-responsive content removed

Subject: Preliminary minutes on the review of start-up support of R4 at VW / Audi

Dear Sirs,

Please find attached the draft minutes of our meeting on 04.02 in Non-responsive content removed. The delay is due to the distributed meeting locations and the different holidays / closing days situation of participants, and I ask for apology.

During the preparation of minutes, it became clear that the persons in charge and the dates for the measures discussed were not specified. Therefore, the **request to the mentioned persons in charge to specify a date for the relevant measure to me**. If the specification of the persons in charge is not correct, then I request for the specification of the **correct persons in charge with the date agreed with them**.

Insofar their **responses are available completely by 5.19.09**, I can distribute the minutes before the closing days of 05.22.-05.29.

< File: Entwurf_2009_019_Protokoll_FCT_Review_VW_Audi_090402.pdf

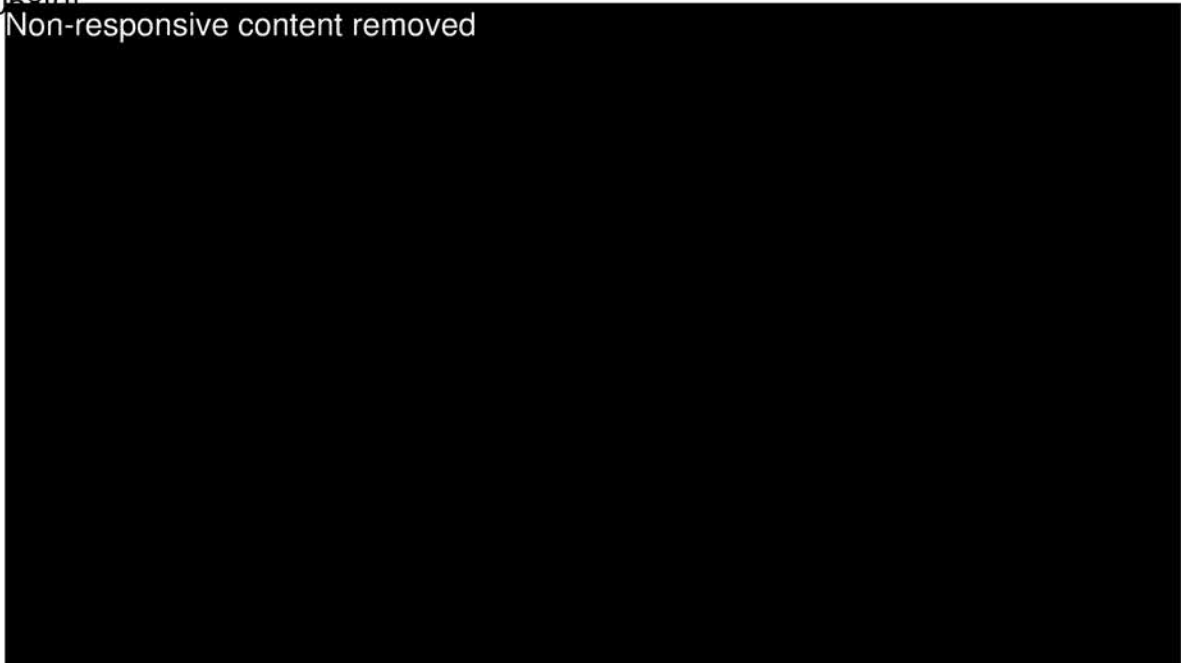
Best regards

Non-responsive content removed

Robert Bosch GmbH, Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart Commercial Register No. 14000
Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach,
Siegfried Dais; Bernd Bohr, Wolfgang Chur, Rudolf Colm, Gerhard Kümmel, Wolfgang
Malchow, Peter Marks; Volkmar Denner, Peter Tyroller

From: Non-responsive content removed

To:



CC:

Date: 06.16.2009 11:50:09

Subject: Documentation for drivetrain teleconference 06.16.2009

Attachments: [0725 EHP \[redacted\] Status Sieb am Saugventil, 16-06-2009.pdf](#)
[Non-responsive content removed Liste Triebwerkschäden CP4 29 05 09fu0306.xls](#)
[Status CP4 Triebwerkschäden Mai 2009.pdf](#)
[0686 V05 EHP CP4, Robustheit CP4, 16-06-2009.pdf](#)

Hello,

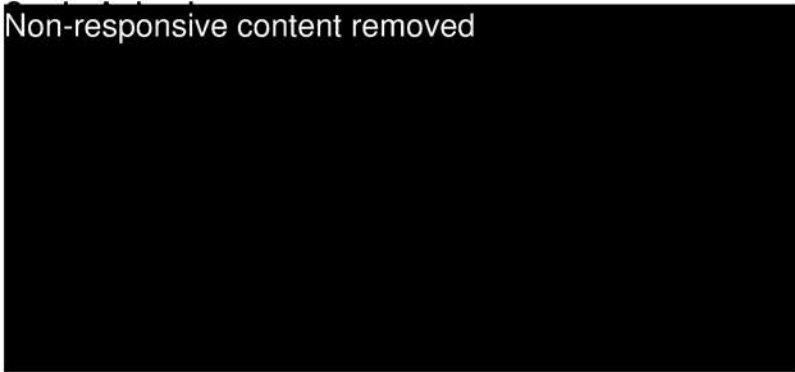
Attached is the documentation for drivetrain teleconference

- 1) Status of strainer at the intake value for CP4.1
- 2) Status of drivetrain damage, [Non-responsive content removed](#) Liste(list)

3) Backup of CP4 robustness

For participants of FeP: Conference room was a former office of [\[redacted\]](#) in Fe 380/3.

Best regards



Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart, Commercial Register No. 14000;
Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried
Dais; Bernd Bohr, Rudolf Colm, Volkmar Denner, Gerhard Kümmel, Wolfgang Malchow, Peter
Marks, Peter Tyroller; Uwe Raschke

From: Non-responsive content removed
Sent: Thursday, April 23, 2009 1:58 PM
To: Non-responsive content removed

Hello,

[Documentation for the current drivetrain teleconference](#)

< File: Microsoft PowerPoint - FEA_045_2009_03_3.pdf >> < File: Microsoft PowerPoint - FEA_044_2009_03_3.pdf >> < File: FEA_045_2009_04_23_Status Kameraplatz RS_Prüfung.pdf >>

Best regards

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Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart, Commercial Register No. 14000;
Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried
Dais; Bernd Bohr, Rudolf Colm, Volkmar Denner, Gerhard Kümmel, Wolfgang Malchow, Peter
Marks, Peter Tyroller; Uwe Raschke

From: Non-responsive content removed
Sent: Thursday, March 26, 2009 12:45 PM

Non-responsive content removed

Subject: Documentation for drivetrain teleconference 03.26.2009

Hello,

Attached is the documentation for today's drivetrain teleconference

1) Results of the challenge endurance runs

< File: 9830100_PB_Status.pdf >>

Pictures of metal chips & fusing of the third pump (failure after 38 min.)

< File: Metallspritzer_5593_2.jpg >> < File: Metallspritzer_5622_1.jpg >> < File: Metallspritzer_5622_2.jpg >> <File: LR_1_Aufschmelzer_1.jpg >> < File: LR_2_Aufschmelzer_1.jpg >> < File: LR_2_Aufschmelzer_2.jpg >> <File: Metallspritzer_5593_1.jpg >>

2) Suspected drivetrain damage damage (chips in the rail)

< File: 4VW171_abrieb_Rail.pdf >>

Mit freundlichen Grüßen / Best regards

Non-responsive content removed

EA Non-responsive content removed

Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart, Commercial Register No. 14000;
Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried
Dais; Bernd Bohr, Rudolf Colm, Volkmar Denner, Gerhard Kümmel, Wolfgang Malchow, Peter
Marks, Peter Tyroller; Uwe Raschke

From: Non-responsive content removed
To:
CC:

Date: 11.18.2009 08:59:05 AM
Subject: Re: Minutes for Audi CP4 technical discussion on 10.21.09
Attachments: [EHP_0887_Vers2_Robustheit_5-11-2009.pdf](#)
[990158-CP4-FG-21-10-2009_NSU.pdf](#)

Hello, Non-responsive content removed

As requested in our telephonic conversation, attached are the minutes & up-to-date RoW set of slides.

Mit freundlichen Grüßen / Best regards

Non-responsive content removed

Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart, Commercial Register No. 14000;
Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried Dais;
Bernd Bohr, Rudolf Colm, Volkmar Denner, Gerhard Kümmel, Wolfgang Malchow, Peter Marks, Peter Tyroller; Uwe Raschke

From: Non-responsive content removed
Sent: Friday, October 23, 2009 8:30 PM

Non-responsive content removed

Subject: Minutes for Audi CP4 technical discussion on 10.21.09

Dear Sir/Madam,

Please find enclosed the minutes of the CP4 technical discussion with the slides shown by Bosch (item 1 for robustness CP4)

Best regards

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EA Non-responsive content removed

Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart, Commercial Register No. 14000;
Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach,
Siegfried Dais; Bernd Bohr, Rudolf Colm, Volkmar Denner, Gerhard Kümmel, Wolfgang
Malchow, Peter Marks, Peter Tyroller; Uwe Raschke

Non-responsive content removed

Sent: Tuesday, October 13, 2009 10:57 AM

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Subject: Updated: Invitation to the Audi CP4 technical discussion
Time: Wednesday, October 21, 2009 2:00 PM-5:00 PM (GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna.
Location: Audi AG Non-responsive content removed

Dear Sir/Madam,

Attached is the schedule for the CP4 technical discussions in 2009, which will be held in 4-week intervals.

Please reserve this date for "Audi CP4 technical discussion" to be held at the Audi [REDACTED], Building B12, middle conference room.

Non-responsive content removed, Could you please reserve the middle conference room for these dates.

Thank you very much in advance.

With best wishes

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EA11003EN-02077[0]

From: Non-responsive content removed

To:

CC:

Date: 12/04/2009 4:20:43 PM

Subject: RE: Status report CP4 AUDI

Attachments: [Triebwerkschäden Dieselhochdruckpumpe CP4.ppt](#)

Hello Non-responsive content removed

Attached is a summary on the topic.

With best wishes

Non-responsive content removed

Sitz/Domicile: Ingolstadt

Registergericht/Court of Registry: Local District Court Ingolstadt

HRB Nr./Commercial Register No.: 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, Axel Strotbek, Werner Widuckel

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From: Non-responsive content removed

Sent: Thursday, December 03, 2009 6:31 PM


To: Non-responsive content removed

Subject: Re: Status report CP4 AUDI

Attached is the current status of CP4.2 (if not obtained directly from Bosch).

With best wishes

Non-responsive content removed



Sitz/Domicile: Ingolstadt

Registergericht/Court of Registry: Local District Court Ingolstadt

HRB Nr./Commercial Register No.: 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, Axel Strotbek, Werner Widuckel

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From: Non-responsive content removed

Sent: Tuesday, December 3, 2009 12:51 PM

To: Non-responsive content removed

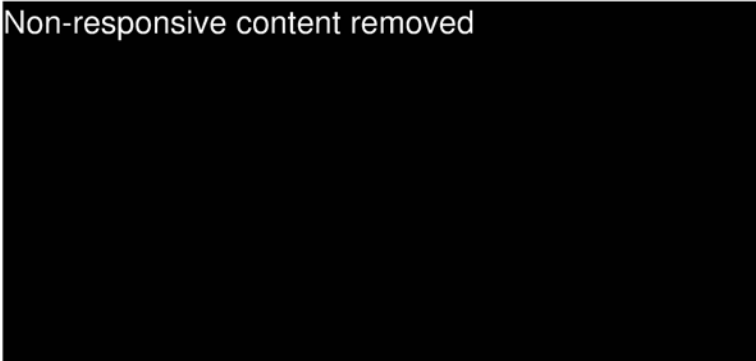
Subject: RE: Status report CP4- AUDI

Hello 

As agreed, attached is the status report of our Task Force. Please inform us whether we can distribute the report as such.

Best regards

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EA Non-responsive content removed

Domicile: Stuttgart, Court of Registry: Local District Court Stuttgart, Commercial Register No. 14000;

Chairman of the Supervisory Board: Hermann Scholl; Management: Franz Fehrenbach, Siegfried Dais; Bernd Bohr, Rudolf Colm, Volkmar Denner, Gerhard Kümmel, Wolfgang Malchow, Peter Marks, Peter Tyroller; Uwe Raschke

From: Non-responsive content removed
To: [REDACTED]
CC: [REDACTED]
Date: 12/11/2009 3:47:00 PM
Subject:
Attachments: [Vortrag CR-System Porsche.ppt](#)

Part 6

>With best regards

>

Non-responsive content removed

Sitz/Domicile: Ingolstadt

Registergericht/Court of Registry: Local District Court Ingolstadt

HRB Nr./Commercial Register No.: 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, Axel Strotbek, Werner Widuckel

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From:
To:

Non-responsive content removed

CC:

Date: 02.01.2010 3:21:14 PM

Subject: Status report CP4 failures at AUDI

Attachments: [AUDI CP4 Wochenbericht 270110.ppt](#)
[TS Wochenstatus 29 01 10.ppt](#)

Dear Sirs,

Please find attached the status report on CP4 failures at Audi as agreed between Bosch and Audi and a status of [REDACTED] on the topic.

Best regards

Non-responsive content removed

Sitz/Domicile: Ingolstadt

Registergericht/Court of Registry: Local District Court Ingolstadt

HRB Nr./Commercial Register No.: 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, Axel Strotbek, Werner Widuckel

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