

From: [REDACTED]
To: [REDACTED]
Subject: FW: Request for Quote (RFQ) 9531BM20Q0007 - Tabular Export of Data - Totem Plus IMACS
Date: Monday, March 9, 2020 9:13:57 AM

Hello Dennis and David,

Here's the response from TotemPlus. They sent the IMACS data to me yesterday morning and I'm going to spend the day processing it.

I thought you both would be interested in their response.

Thanks,
-Nick

From: Azriel Rahav [REDACTED]
Sent: Sunday, March 8, 2020 8:37 AM
To: Swann Nicholas [REDACTED]
Cc: Chen [REDACTED]; Merav [REDACTED]; Roe Nagler [REDACTED]
Subject: Re: Request for Quote (RFQ) 9531BM20Q0007 - Tabular Export of Data - Totem Plus IMACS

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Nicolas,

The converted data is in .txt format. fields are separated by tab, coma and semi colon. Import to excel etc. should be easy using "data" "from txt".

Further, I have looked into the data, and have the following observations - 3&4 are the important ones :

1. Vessel was moored until about 04:48 on Sept. 08 (see RPM.jpg attached);
2. Cargo work was most likely stopped before 02:46 as we see no significant changes in either draft or list after this time (see draft.jpg and inclinometer.jpg).
3. There is no indication that the vessel carried out the built in "Online GM measurement" procedure that is part of the IMACS system. This feature makes a rough "inclining experiment" by heeling the vessel automatically to 1 degree either side, measuring the quantity of ballast transferred and calculating the GM from that. Vessels should do this procedire before every departure. More info on that feature can be sent separately.
4. At 0246 the vessel operated the stbd ballast pump on the DB-5 heeling tanks in order to make the vessel upright from initial list of 0.42 degrees to port. See tanks_024556.jpg. The operation was finished at about 024806 (see tanks_024806.jpg). the final list was 0.03 degrees stbd. Level in tanks shows that about 8 tons were transferred from port to stbd during the operation. The distance between the TCG of each tank is about 30 meters, the displacement at this draft is about

35400 MT, which gives a **GM of about 0.8M** for a change of list of 0.45 degrees. This is much below the minimum GM at this draft that should be **above 2.6 meters**. However this measured GM was 2 hours before leaving berth so in theory cars could possibly be lowered to lower decks (not likely).

Hope the above helps.

Best regards
Azriel

On 08/03/2020 2:00 PM, Chen wrote:

Dear Sir

Please find below link to download the data.

Best Regards
Chen Ben Itzhak
Totem Plus Ltd.

[Redacted]

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

[Redacted]

Sent: Sunday, March 08, 2020 1:55 PM

Subject: Your files were sent successfully to [Redacted] and 1 other

☐

Files sent to

[Redacted]

and 1 other

8 items, 362 MB in total ▪ Will be deleted on 15 March, 2020

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Recipients

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Message

Golden Ray IMACS Data

[REDACTED]

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