

# Methodology for Data Collection & Analysis

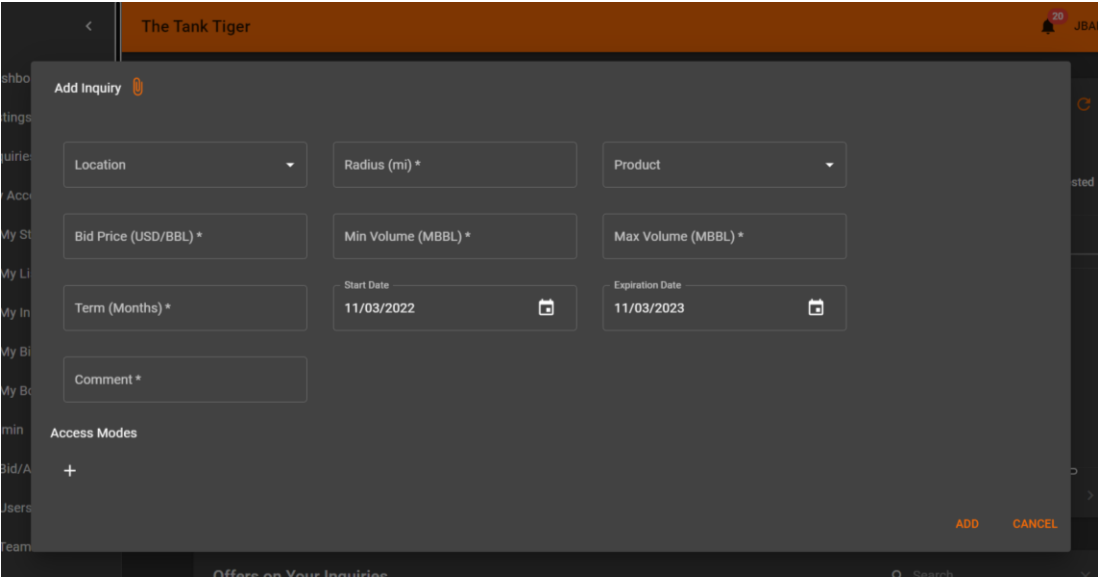
Comparing The Tank Tiger Storage demand with EIA Cushing crude inventory levels

## Sources

- All users of the MyTankTiger online platform are vetted by a Tank Tiger admin before gaining access to the platform
- Users of the platform include commodity traders, commercial managers of terminal companies, and logistics managers from a wide range of companies in the bulk liquid commodity space

## Data Collection

- MyTankTiger users can create open requests for storage (inquiries) which includes the desired amount of volume (in thousands of barrels per month) along with the date submitted and the desired start date for lease
- Because the user can request storage in the future, The Tank Tiger can get a sense of future storage demand
- The form for submission of inquiries is shown below



- MyTankTiger users can also bid on available storage (listings) with the desired volume and start date
- The form for submission of bids is shown below

The Tank Tiger

Place Bid

Product  Bid Price \*  Volume \*

Start Date  Term (Months) \*  Comment \*

Select your modes of access

Select	Access Mode Name	Inbound / Outbound	Access Type	Transfer Fee	Dock Draft (ft)	LOA (ft)	Class One Rail	Rail Spots
<input type="checkbox"/>	vessel	both	Vessel	0.000	42			
<input type="checkbox"/>	barge	both	Barge	0.000	42			
<input type="checkbox"/>	rail	inbound	Rail	0.000			BNSF	20
<input type="checkbox"/>	truck	both	Truck	0.000				

SUBMIT CANCEL

- All activity on the platform is nonbinding and serves the purpose of generating leads for our customers. As such, the terms for all activity on the platform should be considered an indication and not the result of a transaction
- Users who post to the platform without good faith to end in a business transaction are removed from the platform and their activity is wiped from the database
- If inquiries or bids are deleted within a day of posting they are not included in the historical database
- Historical datapoints can be marked by admins as outliers and excluded from analysis

## Hypothesis

- Changes in the sum of storage volume requested over a given period are correlated with changes in the average inventory levels over that same period

## Analysis

- Tank tiger storage demand data was filtered for PADD 1 Distillate and grouped by the month in which the start date falls summing across the volume requested
- A 4 month moving average was then plotted on a secondary axis to compare against the EIA PADD 1 Distillate week end inventory levels to see if changes in trends of Tank Tiger storage demand corresponded to changes in the EIA inventory data
- While the Tank Tiger Storage demand does not have as high a correlation to EIA inventory as the drone inspection datasets, the average time delta between the date that a Tank Tiger storage request is posted and the desired start date of that lease is about 30 days. This allows someone with access to The Tank Tiger data to get an indication of changes in inventory trends about a month ahead of the rest of the market

### PADD 1 Distillate Inventory vs Tank Tiger Storage Demand

