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TANK CATEGORIES AND LEVEL FORECAST SETUP

UNIFY TRAINING GUIDE

Customer Use

 ANOVA



TANK CATEGORIES

A Tank Category allows the user to define default level thresholds for Tanks based on, for example:

- the usage rate consumption (if it's a group of high usage Tanks or Low usage Tanks).
- the type of product being consumed (different products could need different level thresholds).

ADDING A TANK CATEGORY:

1. Select the SETTINGS Menu. Click on the Operations Tab and select the Tank Categories Page. On the top-right corner click on the NEW TANK CATEGORY Button.
2. Insert the name of the new Tank Category.
3. Select the Product Group the new Tank Category will apply to (only one product group can be selected).
4. (OPTIONAL) Select the type of product(s) this Tank Category will apply to (more than one product type can be selected).
5. Select the desired level thresholds for this Tank Category. Four values must be selected:
 1. Overfill Level Threshold.
 2. Warning Level Threshold;
 3. Critical Level Threshold;
 4. Very Critical Level Threshold;
6. Click NEXT button to proceed to Section 2 – Tank.
7. (OPTIONAL – ONLY FOR F&L) Select the Type of Vessel this Tank Category will apply to. NOTE: The Type of vessel should have already been created before creating the new tank Category.
8. Click NEXT button to proceed to Section 3 – Communication.

Create tank category

Category

This category will be added to rg-fl3.

1 Category

2 Tank

3 Communication

4 Confirmation

2 NAME* High usage tanks

3 PRODUCT GROUP* Fuels and Lubricants

4 PRODUCT TYPE Select...

EXTERNAL REFERENCE

Use default settings

WARNING* 40 %

CRITICAL* 20 %

VERY CRITICAL* 10 %

OVERFILL* 95 %

95% 40% 20% 10%

CANCEL NEXT

Create tank category

Vessel

This category will be added to rg-fl3.

7 VESSEL New Vessel

DIAMETER 100 in

LENGTH 100 in

CAPACITY 3400 gal

PREVIOUS NEXT

TANK CATEGORIES

ADDING A TANK CATEGORY (CONTINUED):

9. Select the Communication Frequency (if it's daily or multiple times a day).
10. If daily, select the Communication Interval Start Time and End Time (default Interval: 24 hours; minimum Interval: 1 hour).
11. Click NEXT button to proceed to Section 4 – Confirmation.
12. Confirm all info and finish creating the new tank category.
13. The New Tank Category will appear right after in the Tank Categories Page.

Create tank category

Communication

This category will be added to rg-fl3.

COMMUNICATION FREQUENCY

Daily

Multiple times a day

COMMUNICATION TIME - START*

12:00 AM US/Eastern (-04:00)

COMMUNICATION TIME - END*

11:59 PM US/Eastern (-04:00)

PREVIOUS NEXT

NOTE: When creating a New Deployment, the Tank Category can be selected, and all data related will be filled automatically (level thresholds; vessel; communication frequency).

New deployment

Tank

This tank will be added to 2134 site.

Details Location Level thresholds

TANK* My new tank

TANK CATEGORY High usage tanks

TANK ID

CUSTOMER CATEGORY Select

PRODUCT* Diesel

SPECIFIC GRAVITY* 0.84

VESSEL* New Vessel

SHAPE* Horizontal Cylinder

Settings / Anova / rg-fl3 / Operations / Tank categories

Distributor Devices Operations

Tank categories Tank groups Level thresholds Vessels

rg-fl3
3 tank categories

Search tank categories New tank category

| TANK CATEGORY | PRODUCT GROUP | PRODUCT TYPES | LEVEL THRESHOLDS | VESSEL | CAPACITY | Nº OF TA... |
|-------------------|----------------------|------------------------|------------------|------------|-----------|-------------|
| High usage tanks | Fuels and Lubricants | -- | 10% 20% 40% 95% | New Vessel | 3400 gal | 1 |
| Tank category FL | Fuels and Lubricants | Diesel (off road dyed) | 10% 20% 40% 95% | New Vessel | 3400 gal | 1 |
| Tank category LPG | LPG | Butane, LPG | 10% 20% 40% 80% | -- | 10000 gal | 1 |

For further information regarding this topic please visit our Customer Knowledge Base article in: <https://support.anova.com/hc/en-us/articles/49032862028307-Unify-Settings-Menu-Tank-Categories-and-Level-Forecast-Setup>

SET UP THE LEVEL FORECAST BY TANK CATEGORY

PROBLEM

The tank level forecast mechanism uses the following defaults for the weighted average:

Period 1: 80% of the forecast uses the last 7 days of data

Period 2: 20% of the forecast uses the previous 23 days of data

These defaults are not configurable by the end user.

While this logic works well for several use cases, such as frequent high-turn tanks and residential customers, it may underperform in other use cases like poultry farms, grain dryers, or restaurants. This can lead to incorrectly predicting the next out-of-gas event.

SOLUTION

From the Tank Categories Settings Page, users can now configure the weighted average used for tank level forecasting by defining how many recent days to include and how much weight each period should have. When the “Last Fill” option is selected, no period of days is needed for Period 2.

These settings can be applied by tank category and by product group (e.g., LPG, Fuels & Lubes), allowing different weighted averages for distinct profiles (for example, residential vs. poultry farms) without affecting the global default.

If you update a tank category’s forecast configuration, the tank level forecast will refresh the next time the forecast calculation runs, automatically using the new settings.

For clients already using tank categories, this is ideal and more flexible for future needs.

For clients not yet using tank categories, we will continue educating and promoting their value.

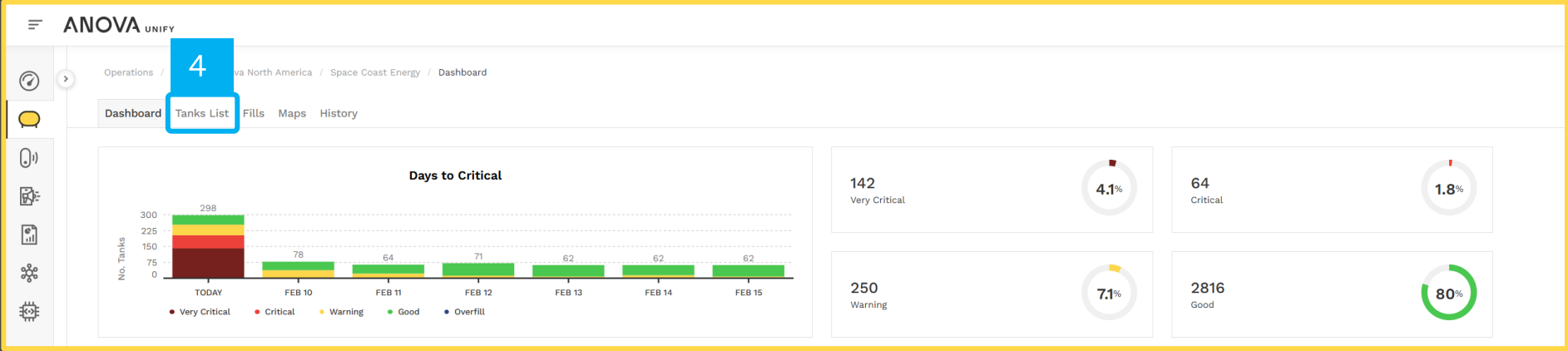
For tanks not assigned to any tank category, the defaults above will continue to be used.

The screenshot displays the 'Create tank category' interface. On the left, a progress indicator shows four steps: 1. Category (checked), 2. Tank (highlighted in yellow), 3. Communication, and 4. Confirmation. The main area is titled 'Tank' and includes a sub-header 'This category will be added to Space Coast Fuels.' Below this, a 'VESSEL' dropdown menu is set to 'Medium 300 gal tank'. A note states: 'Only capacity will be used for the LPG tanks.' A diagram of a tank shows dimensions: DIAMETER (180 in), LENGTH (230 in), and CAPACITY (300 gal). The 'Forecast configuration' section is titled 'Set the default forecast used to estimate consumption.' It contains three highlighted areas: 1. 'Period 1' with 'DAYS' set to 7 and 'WEIGHT' set to 80%. 2. 'Period 2' with 'DAYS' set to 23 and 'WEIGHT' set to 20%. 3. 'Last fill' option, which is checked, with a note: 'The number of days for period 2 is calculated based on the last fill date.' At the bottom right, there are 'PREVIOUS' and 'NEXT' buttons.

SET UP THE LEVEL FORECAST BY TANK CATEGORY (CONTINUED)

OUTCOME

This flexibility *helps* align forecast behavior with each customer’s actual consumption patterns, *improving* out-of-gas predictions, especially in edge cases. In practice, this *reduces* surprise runouts for complex profiles (such as seasonal or high-intensity commercial usage) and *gives* users more control over how forecasts respond to short-term changes.



The screenshot shows the 'Tank Level Forecast' table in ANOVA UNIFY. A blue box labeled '5' highlights the 'FORECAST CRITICAL...' and 'FORECAST EMPTY AT' columns. The table lists various tanks with their site names, tank IDs, levels, last readings, and forecast dates.

| SITE | TANK | TANK LEVEL | LAST READING | DAYS TO CRITICAL | DAYS TO EMPTY | FORECAST CRITICAL... | FORECAST EMPTY AT |
|--------------------------------|--------------------------|------------|--------------------|------------------|---------------|----------------------|-------------------|
| Del Rio Towing & Wrecker - ... | 3000 - ULSD clear | 12% | 11/02/26, 04:01 AM | 6 | 11 | 17/02/26 | 22/02/26 |
| Martin Yard | Martin yard | 16% | 03/10/24, 07:03 AM | 180+ | 180+ | 03/10/27 | 03/10/27 |
| Rio Hondo Land & Cattle Ma... | Martin Chaves 500-980418 | 16% | 09/02/26, 06:57 AM | 0 | 16 | 10/02/26 | 27/02/26 |
| WC/ NAT - CML Exploration ... | Kleimann #3- Propane | 18% | 11/02/26, 04:45 AM | 16 | 114 | 27/02/26 | 05/06/26 |
| Valence Chemicals Inc. Vale... | Valence Chemicals | 18% | 11/02/26, 07:48 AM | 5 | 32 | 16/02/26 | 15/03/26 |
| Cesar Terrazas | Cesar Terrazas | 19% | 11/02/26, 04:35 AM | 7 | 15 | 18/02/26 | 26/02/26 |

HOW TO ENABLE

Please reach out to Customer Success Team:

- Contact support@anova.com

NEED FURTHER INFORMATION OR HAVE FEEDBACK:

Please reach out to Customer Success Team to discuss: support@anova.com

THANK YOU

support@anova.com

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