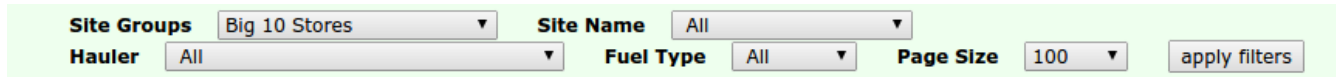


Kachoolie Cloud – Inventory and Forecasting

The Forecast Summary page provides an easy way to view and manage inventory.

Each tank in a store is displayed as a row.



The filter area at the top of the page is used to select which stations and which of their tanks are displayed.

The available filters are:

Store groups.

Users can create groups of stores. When a group is selected, stores in that group are displayed in the main area of the page. Any number of groups based on any criteria can be created. Stores can belong to multiple groups. Users sometimes create split groups, product brand groups, driver groups, geographical groups etc.

Site Name.

An individual store. A store in a selected group or from all stored can be selected. Only tanks at that store will be displayed when selected.

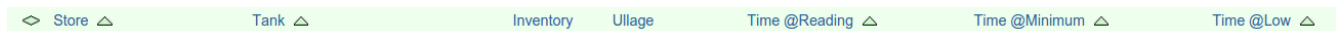
Hauler.

Associated drivers/vehicles/haulers. Stores can have a default driver/vehicle/hauler and this selection can be used to further restrict the stores displayed.

Fuel Type.

Restricts the tanks to the fuel type selected. Perhaps the user only wants to see Diesel?

The row column headings can be used to **sort** the rows.



Sorting allows tanks to be viewed in the order they need deliveries, by store or by fuel type. Sort in one direction by clicking on column headings and reverse sort by clicking on the associated green triangle.

Time @Minimum shows when the tank is forecast to reach the preset minimum level. Time @Low shows when the tank is forecast to reach the preset low level. Both minimum and low levels can be set by clicking on the tank name. The difference between these fields supplies a delivery window.

The forecasting is calculated hourly to take into account possible changes to the inventory due to increased or decreased sales and deliveries. A graphic trend that shows past and forecast inventory and sales is displayed in a separate window by clicking on the trend label at the end of the row.

Time @Reading should be the same for each row as Kachoolie updates inventory every 30 seconds. In the rare event that communication fails, or that inventory is from slow gauges, other systems or via TCP/IP polling and not via a Kachoolie device, the values may differ from row to row. This column can be sorted to show tanks according to when they last updated.

The number of tank rows can be set by the page size selector. If there are more rows to be displayed than selected, the page will be paginated. Pages can be selected using the items at the bottom of the page.

As Kachoolie Cloud is browser based, users can open multiple browser windows or tabs, each with their own settings. Kachoolie Cloud pages are “sticky”. The last settings on a page are remembered and applied when the user opens the page.

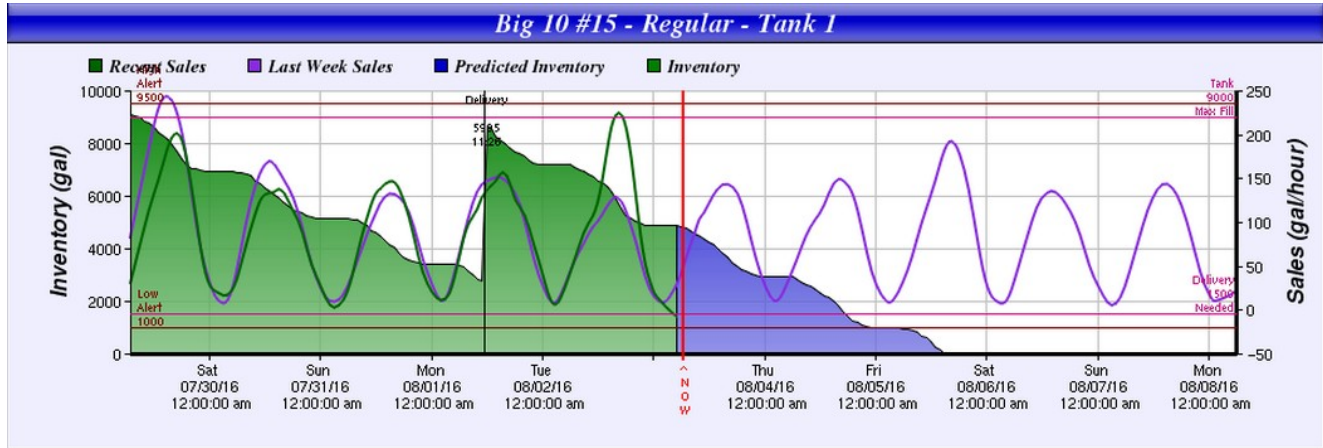
Example of a page with 100 rows per page, Big 10 group selected, and sorted by store

Forecasting								
Site Groups	Big 10 Stores	Site Name	All	Page Size	100	apply filters		
Hauler	All	Fuel Type	All					
Store	Tank	Inventory	Ullage	Time @Reading	Time @Minimum	Time @Low	trend	
Big 10 #27 103	89E [#2]	1926	3404	08/03/16 03:33	08/05/16 08:00	08/05/16 15:00	trend	
Big 10 #27 103	87E [#1]	8637	2024	08/03/16 03:33	08/06/16 12:00	08/06/16 14:00	trend	
Big 10 #27 103	91 clear [#3]	1980	3350	08/03/16 03:33	08/05/16 09:00	08/05/16 13:00	trend	
Big 10 #10 101	Regular 87 [#1]	4278	2738	08/03/16 03:33	08/05/16 16:00	08/06/16 10:00	trend	
Big 10 #10 101	Plus 89E [#2]	957	2641	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	5W 30 OIL [#1]	480	3046	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	5W 20 OIL [#2]	675	2851	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	10W 30 OIL [#3]	186	3334	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	WASTE OIL [#4]	2157	1369	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	87E [#5]	6474	2281	08/03/16 03:33	08/06/16 12:00	08/06/16 17:02	trend	
Big 10 #13 104	89E [#6]	1688	5358	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	91 Clear [#7]	2448	4598	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	2LS CLR Diesel [#8]	631	1182	08/03/16 03:33	08/03/16 15:00	08/05/16 12:00	trend	
Big 10 #15 106	87E [#1]	4897	4240	08/03/16 03:32	08/04/16 17:01	08/04/16 23:01	trend	
Big 10 #15 106	89E [#2]	2681	6456	08/03/16 03:32	> 5 days in future	> 5 days in future	trend	
Big 10 #15 106	91Clear [#3]	2401	6736	08/03/16 03:32	> 5 days in future	> 5 days in future	trend	
Big 10 #24 102	87E [#1]	7628	3201	08/03/16 03:33	08/05/16 15:00	08/05/16 17:00	trend	
Big 10 #24 102	89E [#2]	2143	8686	08/03/16 03:33	08/05/16 12:00	08/07/16 13:00	trend	
Big 10 #24 102	91 Clear [#3]	1719	9110	08/03/16 03:33	08/04/16 07:00	08/05/16 21:00	trend	
Big 10 #24 102	#2 clear B5 [#4]	1694	2102	08/03/16 03:33	08/04/16 15:00	08/05/16 14:00	trend	
Big 10 #6 110	89E [#2]	1645	8912	08/03/16 03:33	08/05/16 16:00	08/07/16 08:00	trend	
Big 10 #6 110	87E [#3]	6037	4520	08/03/16 03:33	08/05/16 06:00	08/05/16 10:00	trend	
Big 10 #6 110	91 Clear [#1]	2535	6220	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 Mart #18 81	89E [#1]	2363	7623	08/03/16 03:33	08/05/16 10:00	08/06/16 12:00	trend	
Big 10 Mart #18 81	87E [#2]	5701	4285	08/03/16 03:33	08/04/16 06:00	08/04/16 08:00	trend	
Big 10 Mart #18 81	91 Clear [#3]	2198	7788	08/03/16 03:33	08/04/16 13:00	08/05/16 09:00	trend	
Big 10 Mart #25 78	93E duplicate [#1]	2497	8464	08/03/16 03:33	08/07/16 12:00	> 5 days in future	trend	
Big 10 Mart #25 78	87E [#2]	8935	2026	08/03/16 03:33	08/07/16 08:00	08/07/16 13:00	trend	
Big 10 Mart #25 78	Premium Diesel [#3]	2541	8420	08/03/16 03:33	08/05/16 14:00	> 5 days in future	trend	
Big 10 Mart #25 78	#2 Clear B5 [#4]	10924	37	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 Mart #25 78	93E [#1]	2497	8464	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #6 110	91 Clear [#1]	2535	6220	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #10 101	Plus 89E [#2]	957	2641	08/03/16 03:34	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	5W 30 OIL [#1]	480	3046	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	5W 20 OIL [#2]	675	2851	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	10W 30 OIL [#3]	186	3334	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	WASTE OIL [#4]	2157	1369	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	89E [#6]	1688	5358	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	91 Clear [#7]	2448	4598	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	

Example of a page with 100 rows per page, Big 10 group selected, and sorted by when fuel is needed.

Forecasting								
Site Groups	Big 10 Stores	Site Name	All	Page Size	100	apply filters		
Hauler	All	Fuel Type	All					
Store	Tank	Inventory	Ullage	Time @Reading	Time @Minimum	Time @Low	trend	
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Big 10 Mart #18 81	87E [#2]	5701	4285	08/03/16 03:34	08/04/16 06:00	08/04/16 08:00	trend	
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Big 10 Mart #18 81	91 Clear [#3]	2198	7788	08/03/16 03:34	08/04/16 13:00	08/05/16 09:00	trend	
Big 10 #24 102	#2 clear B5 [#4]	1694	2102	08/03/16 03:34	08/04/16 15:00	08/05/16 14:00	trend	
Big 10 #15 106	87E [#1]	4897	4240	08/03/16 03:33	08/04/16 17:01	08/04/16 23:01	trend	
Big 10 #6 110	87E [#3]	6037	4520	08/03/16 03:33	08/05/16 06:00	08/05/16 10:00	trend	
Big 10 #27 103	89E [#2]	1926	3404	08/03/16 03:33	08/05/16 08:00	08/05/16 15:00	trend	
Big 10 #27 103	91 clear [#3]	1980	3350	08/03/16 03:33	08/05/16 09:00	08/05/16 13:00	trend	
Big 10 Mart #18 81	89E [#1]	2363	7623	08/03/16 03:34	08/05/16 10:00	08/06/16 12:00	trend	
Big 10 #24 102	89E [#2]	2143	8686	08/03/16 03:34	08/05/16 12:00	08/07/16 13:00	trend	
Big 10 Mart #25 78	Premium Diesel [#3]	2541	8420	08/03/16 03:33	08/05/16 14:00	> 5 days in future	trend	
Big 10 #24 102	87E [#1]	7628	3201	08/03/16 03:34	08/05/16 15:00	08/05/16 17:00	trend	
Big 10 #6 110	89E [#2]	1645	8912	08/03/16 03:33	08/05/16 16:00	08/07/16 08:00	trend	
Big 10 #10 101	Regular 87 [#1]	4278	2738	08/03/16 03:34	08/05/16 16:00	08/06/16 10:00	trend	
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Big 10 Mart #25 78	93E duplicate [#1]	2497	8464	08/03/16 03:33	08/07/16 12:00	> 5 days in future	trend	
Big 10 Mart #25 78	#2 Clear B5 [#4]	10924	37	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 Mart #25 78	93E [#1]	2497	8464	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #6 110	91 Clear [#1]	2535	6220	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #10 101	Plus 89E [#2]	957	2641	08/03/16 03:34	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	5W 30 OIL [#1]	480	3046	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	5W 20 OIL [#2]	675	2851	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
Big 10 #13 104	10W 30 OIL [#3]	186	3334	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	
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Big 10 #13 104	91 Clear [#7]	2448	4598	08/03/16 03:33	> 5 days in future	> 5 days in future	trend	

Example of Forecast Trend displayed by clicking on the trend label



A full description of the trend can be found at http://kachoolie.com/?page_id=439

Note that the trend now also labels the deliveries with the amount delivered and the time delivered.