



DATACOR NEWSBREAKS

The "Chempax Product Features" Resource

CHEMPAX C/S: PLANT MAINTENANCE

Chempax C/S Plant Maintenance module allows users to create, manage and record Work Orders. A Work Order is a transaction for any maintenance performed within an organization. A maintenance issue could involve plant equipment, facilities, vehicles, technology or anything that needs servicing. Work Orders can be created manually for repairs, or created automatically, via a Preventative Maintenance Schedule.

WORK ORDERS

Work Orders consist of:

- Specific data such as location of the work, the date the work is scheduled, the completion date, description of work and details about the work to be done.
- Employees assigned including the estimated and actual labor time.
- Work Order Attachments (ex. schematics, parts lists, etc.).
- A log of actions performed.
- Procedures for doing the work.
- Parts needed for the work.

FLOW OF A WORK ORDER

1. Work Orders are created either manually or via a Preventative Maintenance Schedule
2. Maintenance managers review open Work Orders and optionally
 - a. Schedule when work should be done
 - b. Assign priority
 - c. Assign maintenance staff
 - d. Assign and/or requisition parts needed for service
 - e. Update a log of events that occurred pertinent to the issue
 - f. Update estimated start and completion dates
3. Print Work Order
4. Close Work Order upon completion

Once Work Orders are completed, they can be reviewed in a variety of ways to track costs (parts), time, and reliability of equipment. This is achieved using dedicated inquiries or through the Warehouse Portal.

UPCOMING TRADE SHOWS

Meet Datacor Representatives at upcoming industry trade shows.

March

- 20 - 22: 2016 AFPM - International Petrochemical Conference
- 20 - 22: PPC Spring Meeting 2016

April

- 4 - 6: NACD Southern Region Meeting
- 14 - 16: ILMA 2016 Management Forum
- 19 - 23: NACD Western Region Meeting
- 27 - 29: Ingredient Marketplace

SAVE THE DATE

interAXions
CHEMPAX User Conference

May 11 - 13, 2016
Wyndham Hamilton Park
Hotel & Conference Center
Florham Park, NJ



PLANT MAINTENANCE MODULE: NEW ENHANCEMENTS

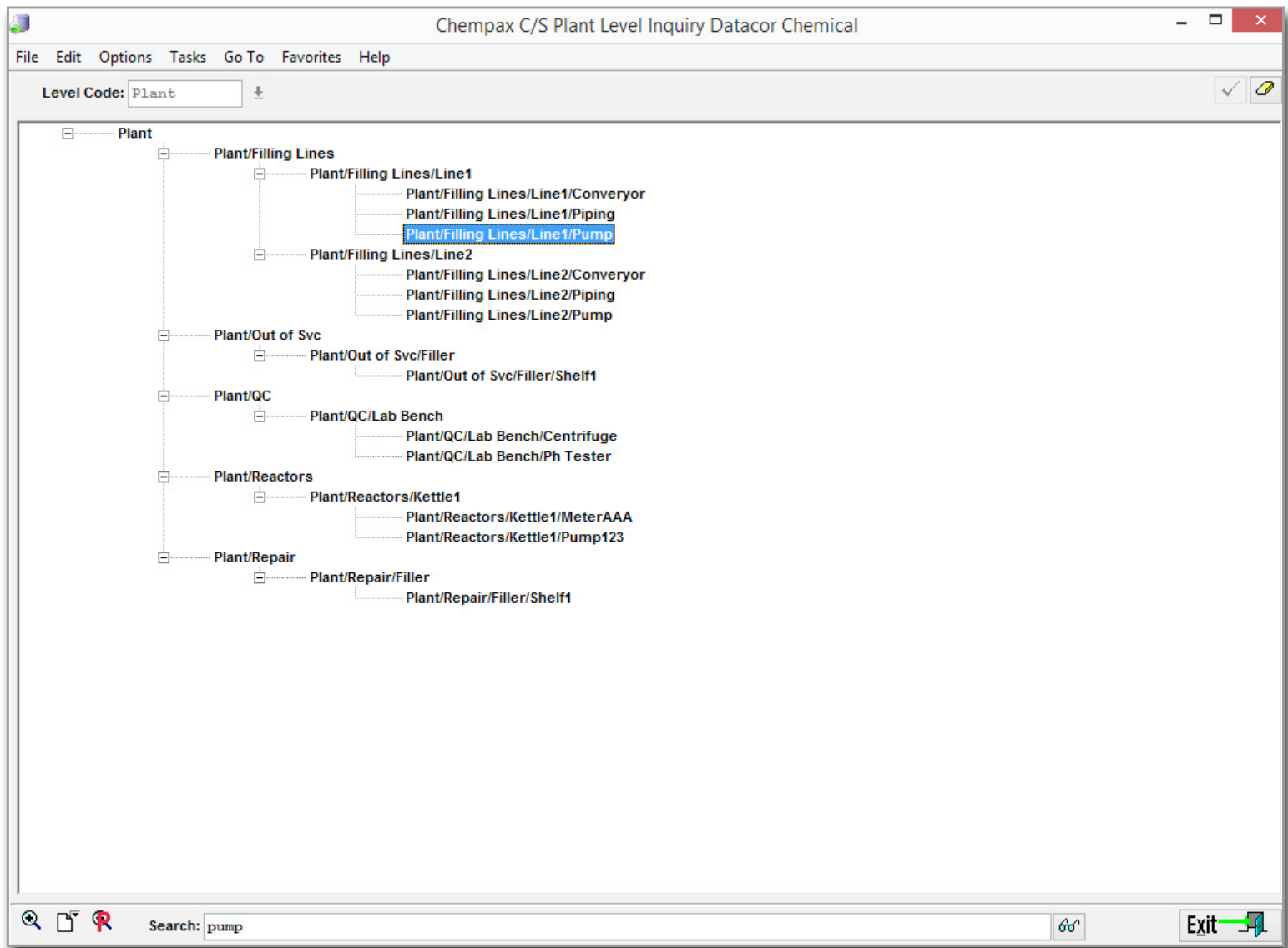
The Plant Maintenance Module has recently been enhanced to include a hierarchy and new calendar based triggers. These new developments will improve your business's efficiency and productivity.

HIERARCHY

The Plant Maintenance module has been enhanced to allow you to model your manufacturing/distribution facility into a hierarchy which represent the areas/processes/equipment in the plant. The number of levels, and what they represent, are determined by you. Figure 1 (below) gives an example of a simple 4 level hierarchy where:

- A. Level 1** is the plant.
- B. Level 2** are areas in the plant.
- C. Level 3** are processes in each area.
- D. Level 4** are the pieces of equipment used in the processes.

FIGURE 1: DISPLAY OF ENTIRE HIERACHY





HIERARCHY RATIONALE

The hierarchy was implemented to provide a clearer way to depict the elements in your manufacturing/distribution facility. Figure 1 (previous page) is a screen from the new Plant Level Inquiry that displays the hierarchy graphically. From this Inquiry, workers can search/navigate to the specific element in hierarchy of interest.

The search capability is helpful to individuals that will be logging information into the Plant Maintenance system but have limited knowledge of the elements of the hierarchy. For example suppose a worker was told to work on a pump with serial # 93175. By entering the serial # at the bottom of the screen (see Figure 2) and clicking the search button (eyeglass icon), the program will expand the hierarchy to display the first element that has 93175 in its name or description (see Figure 3). If the value is in multiple hierarchy elements, the user can click on the search button again and the program will search for the next occurrence in the hierarchy.

From here historical information can be retrieved including all the Work Orders entered for the selected element (see Figure 4). The system also allows for moving elements of the hierarchy to different positions in the hierarchy. For example suppose the pump in filling line1 needs repair. You now can move the pump to the Out of Service area and move another pump to line 1. The history of all these moves can be reviewed.

FIGURE 2: HIERARCHY SEARCH

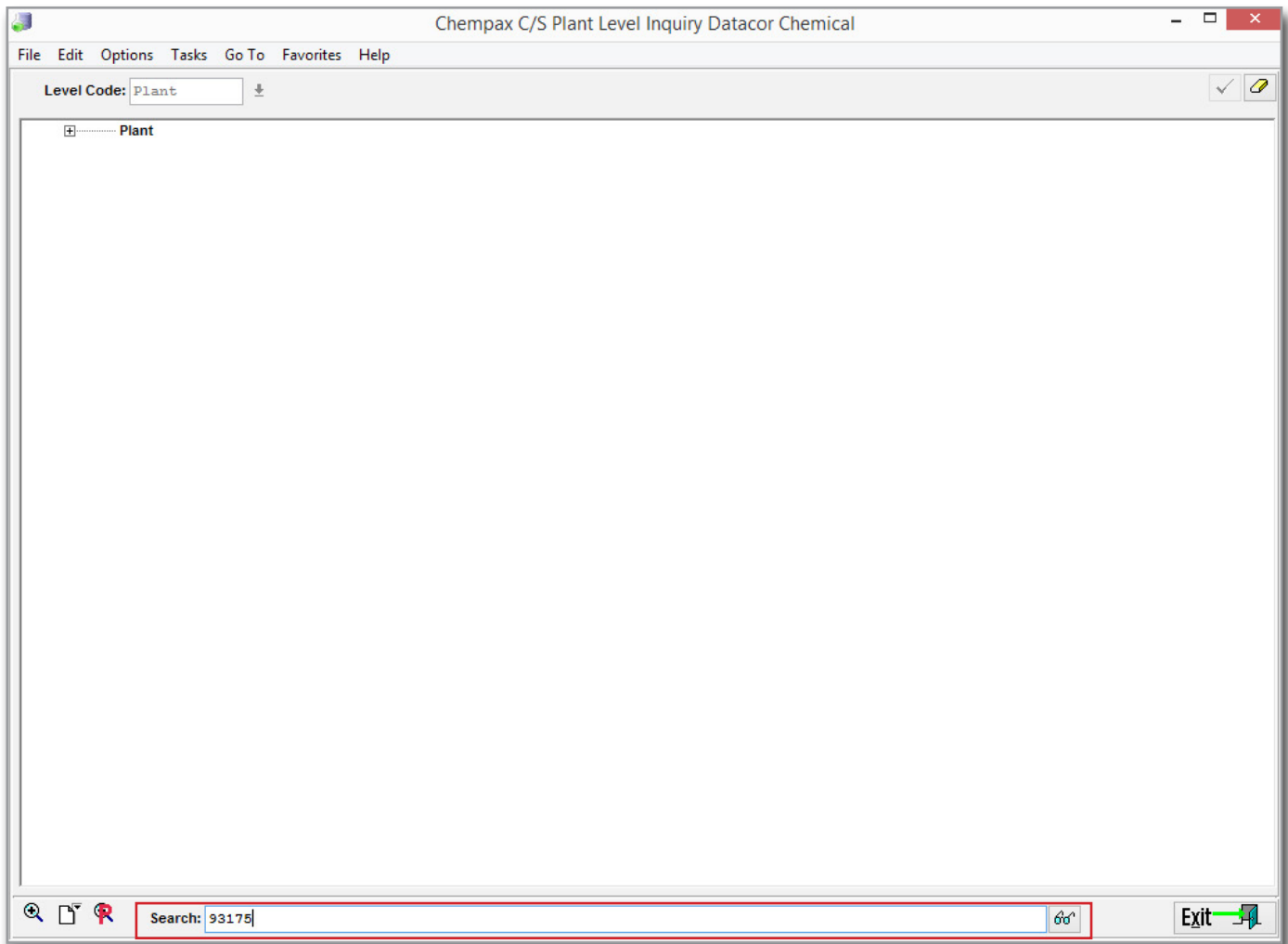


FIGURE 3: HIERARCHY SEARCH RESULTS

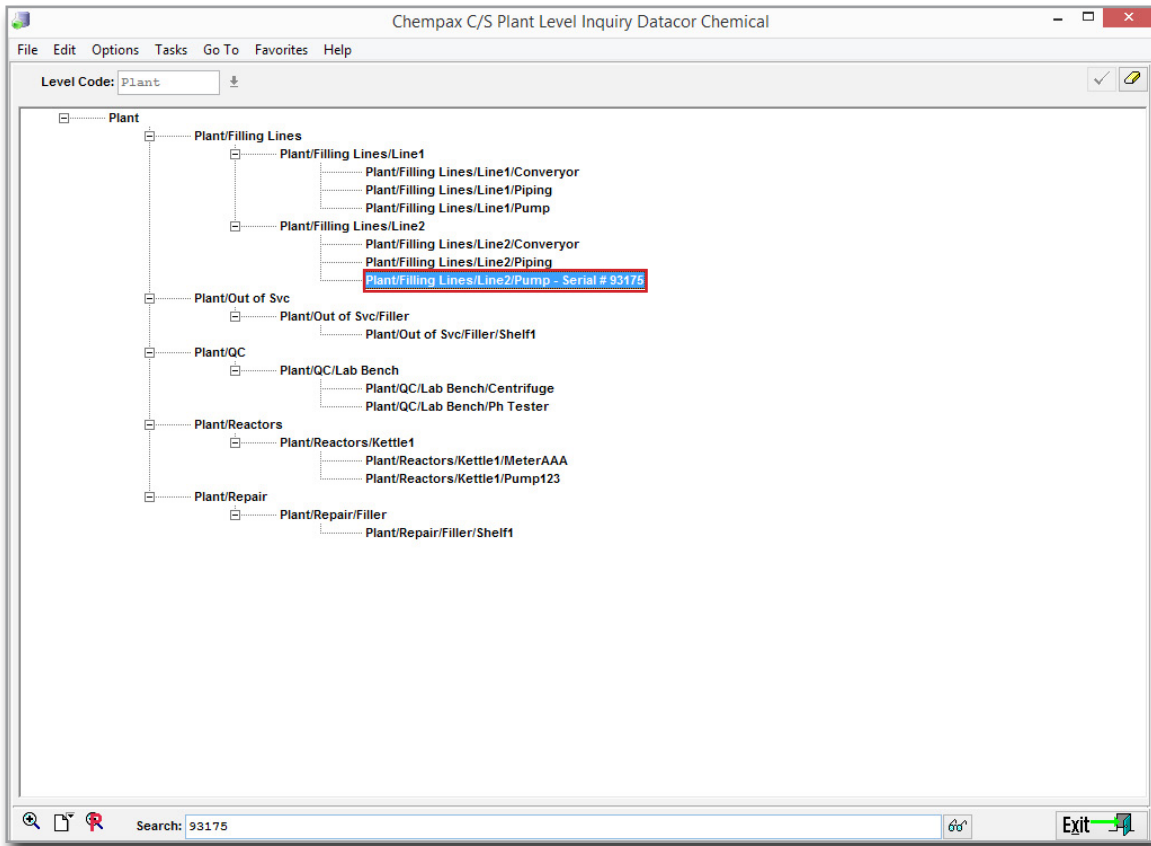
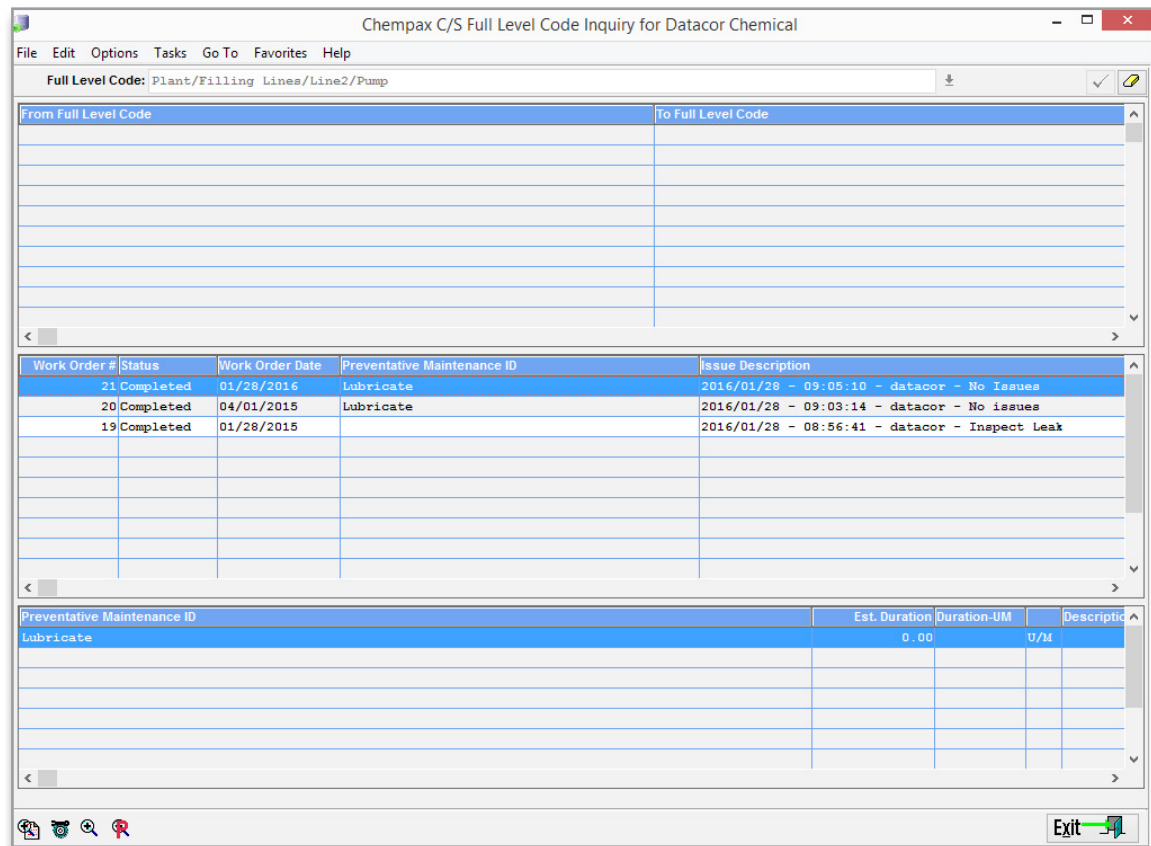


FIGURE 4: FULL LEVEL CODE INQUIRY



PREVENTATIVE MAINTENANCE SCHEDULES

The Preventative Maintenance Schedules have been enhanced to support new calendar based triggers that will enable a Work Order to be created. The new triggers are:

1. **Last Completed (Previously Calendar Time)** - the quantity will be the number of days between service. Example: Service should be done 90 days from the last time it was completed.
2. **Last Due** - the quantity will be the number of days between service. Example: Service should be done 90 days from the last time it was due.
3. **Monthly** - the quantity will be the number of months between service. Example: Service should be done every 3 months.
4. **Month Week and Day of the Week** - the quantity will be the number of months between service and the day of the week. Example: Service should be done every month on the 2nd Monday.
5. **Weekly** - the quantity specified will be the number of weeks between service. Example: Service should be done every 2 weeks.

The screenshot shows the 'Chempax C/S Preventative Maintenance ID Maintenance for Datacor Chemical' window. It features a menu bar (File, Edit, Options, Tasks, Go To, Favorites, Help) and a toolbar. The main area is divided into several sections: 'Full Level Code' (Plant/Filling Lines/Line2/Pump), 'Equipment Type', 'Prevent. Maint. ID' (set to 'Lubricate'), 'Trigger' (Last Completed), 'Notification Value', 'Description', 'Days Between Service' (30), 'Last Completed Date', 'Est. Duration' (1.00), 'Duration U/M' (hr), 'Assigned To', 'Last Work Order', 'Next Due Date' (02/15/2016), and a 'Print With Work Order' checkbox. Below these are two lists: 'File # Attachment' (1 C:\Temp\schematic.pdf, 2 C:\Temp\parts list.pdf) and 'Proc # Procedure' (1 Remove Pump from device, 2 Add Oil). A table displays parts with columns: Seq #, Part Diagram #, Product Code, Product Name, Part Type, and Quantity U/M. The table contains two rows: 1. Oil - (2.00 Gal) and 2. Filter (2.00 ea). Below the table are fields for 'Part Type', 'Product Code', 'Quantity', 'Quantity U/M', and 'Part Diagram #'. At the bottom, there are 'Navigation' buttons (First, Last, Previous, Next) and 'Operations' buttons (New, Update, Delete, Exit).

Seq #	Part Diagram #	Product Code	Product Name	Part Type	Quantity U/M
1		Oil -	Oil	Other	2.00 Gal
2		filter	Filter	Other	2.00 ea

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ANY QUESTIONS?

If you have any questions regarding the Chempax C/S Plant Maintenance Module please e-mail cs-support@datacor.com.

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