**15” Machine Interface Review Notes**

***Home* screen:**

Positive

* Pressure & status displayed prominently
* Navigation is grouped and has simple icons
* Advisory window present

Negative

* Date & time in top left (should be reserved for most important info)
* Logo is too large and should be located at bottom right
* System illustration is too detailed/not necessary (can be shown as text with indicators); takes up nearly half of screen
* Red/yellow/orange should be reserved for alarms; scheme should be neutral and limited to 3-4 colors
* Advisory window should be top left

***System Monitoring* screen:**

Positive

* Real-time pressure info present

Negative

* Avoid gauges when displaying information; better ways to convey this info
* Info can be displayed on one screen
* Green color indicates everything is fine, even though this may not be the case
* Consider adding trends for history/comparison

***Settings* screen:**

Positive

* Settings are grouped, and user can drill down by category
* Lock indicates restricted access (consider graying out?)
* Pop-up for Auto Restart

Negative

* “OK” is red; negative indicator
* Inputs look exactly like buttons; changeable values can be bold to reflect what they are
* Language selection could be dropdown/scrollbox and stay on one page; add flags for easy identification; current language should be highlighted or otherwise noted
* Date/Time does not match theme
* Can also use one screen, multiple tabs for settings
* Make use of headings and radio buttons, check boxes, etc. depending on setting

***Alarm Log* screen:**

Positive

* Correct alarm colors used; indicates state (shutdown/active)

Negative

* All caps used; longer text doesn’t look great this way
* Red buttons distract
* Is blue text necessary after alarm is cleared?

***Login* screen:**

Positive

* All options laid out
* Selected option is highlighted

Negative

* Text description of access rights for each role (off to side, under, special button/pop-up?) would be helpful

***Diagnostics* screen:**

Positive

* All pump information is presented on one page, very clear

Negative

* No context for run hours/temp/pressure; are these values good or bad? Maybe show as scale or change text color

**Changes required for 10” interface:**

* Should be re-done in full color to help important/dynamic items stand out
* Will follow format for 15”, but smaller (items may need to be spread across multiple pages)
  + Both will need to be very clean to provide a similar experience between big & small
* Simpler font required