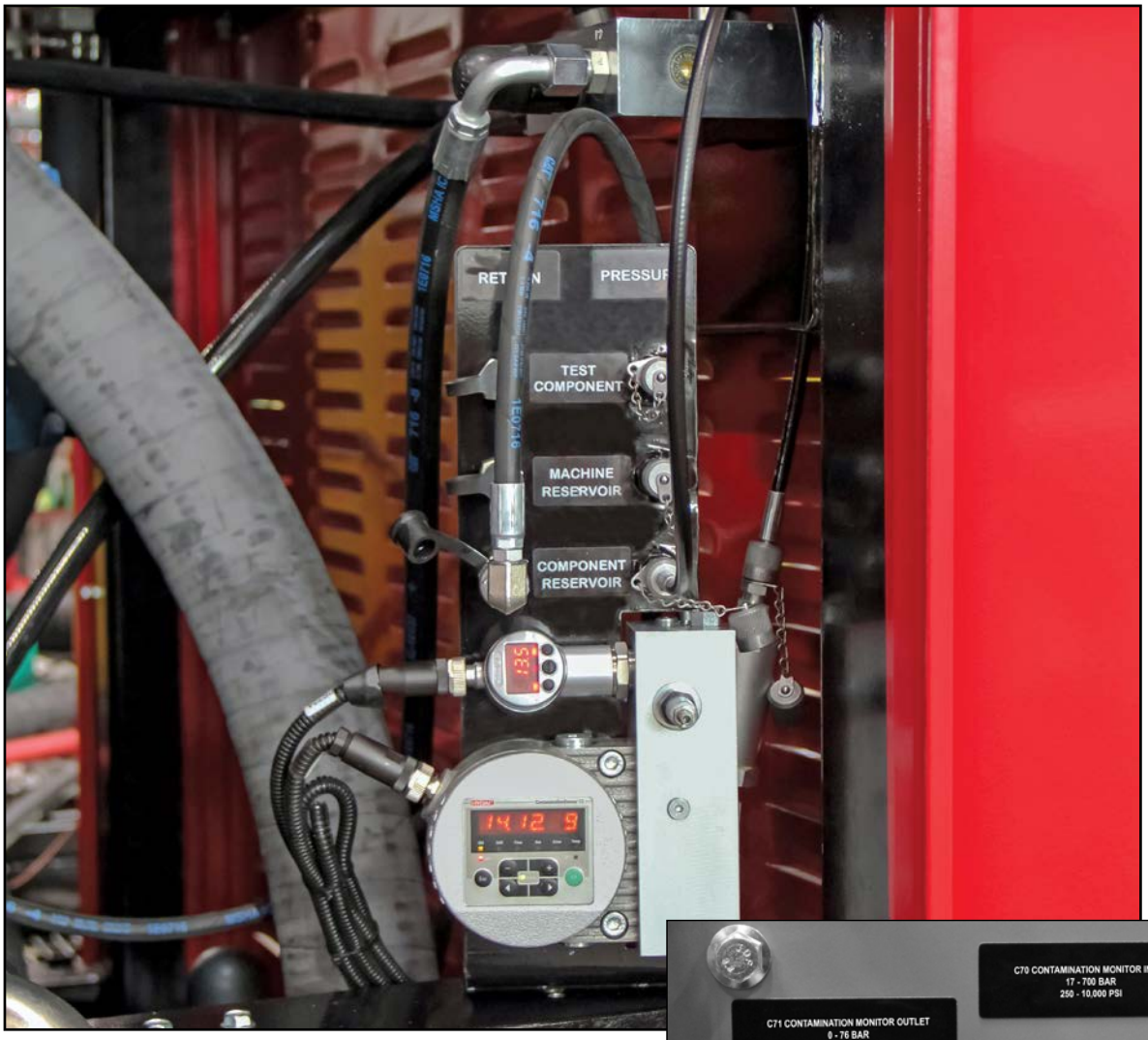
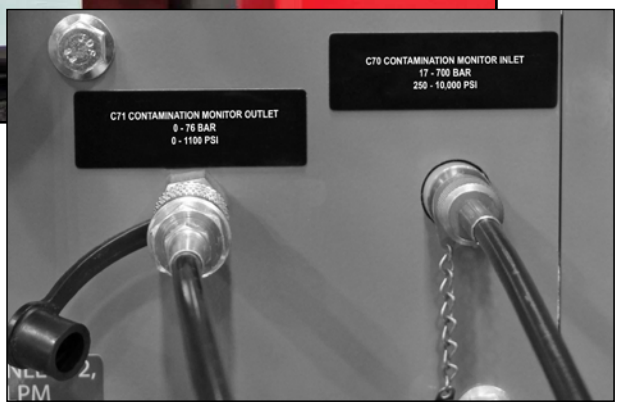
Taylor Dynamometer

Contamination Monitoring / Hydraulic Test Center

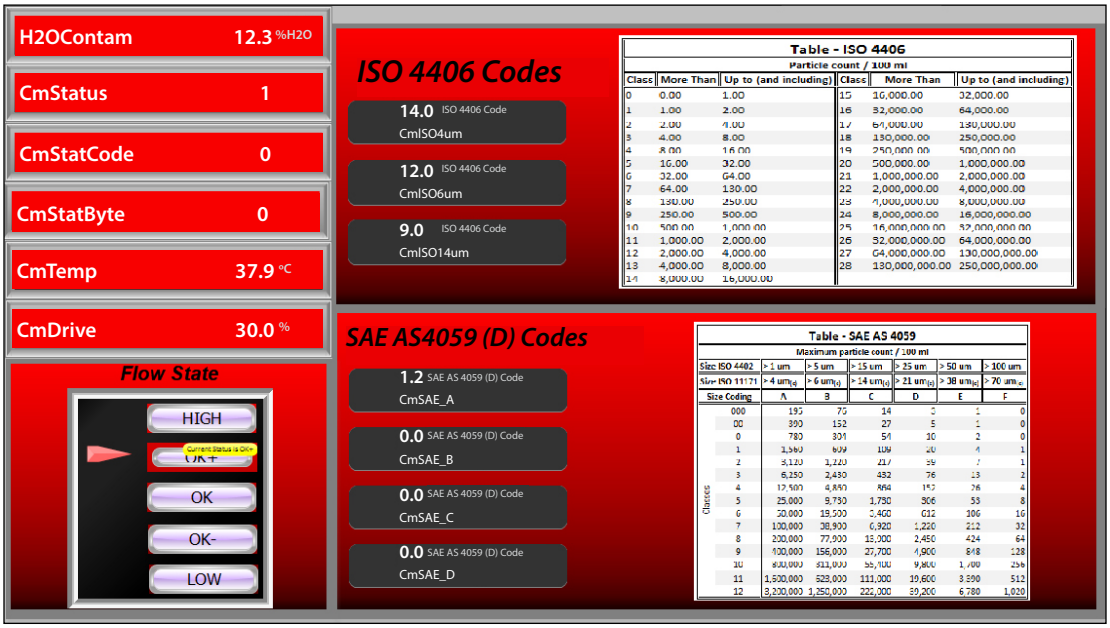




For those who want to document test component cleanliness on test reports and want real time feedback on the cleanliness of their Hydraulic Test Center (HTC). The Contamination Monitoring accessory eliminates the delay of bottle sampling. The Contamination Monitoring accessory fully integrates into the HTC and offers real-time cleanliness level measurement from 1 of 3 different circuits. By moving two quick disconnects, the monitor can measure the machine oil reservoir, component oil reservoir, or the oil coming directly from the component under test.
The pressure range for measuring directly from the component under test is 250 to 7,251 psi (17.24 to 500 bar).

The connections to a component under test are 1/8 in. (3.18 mm) ISO 15171-1 male nipple for return and pressure connection is Minemess 1620 test points M16 x 2.0 male nipple. Testing includes water content (relative to the degree of saturation) and ISO contamination level according to ISO 4406. Recommended calibration is every 36 months, LED light source increases sensor life, +/- 0.5 ISO code accuracy, fault monitoring on a real-time basis.

The Contamination Monitoring accessory includes measuring devices, bracketry and plumbing. This accessory is best purchased when ordering a new HTC however, it can be added later if needed. The estimated field installation time is 2 days (8 hours per day).



Contamination Monitoring Screenshot from DynPro$_2$ Data Acquisition and Control System