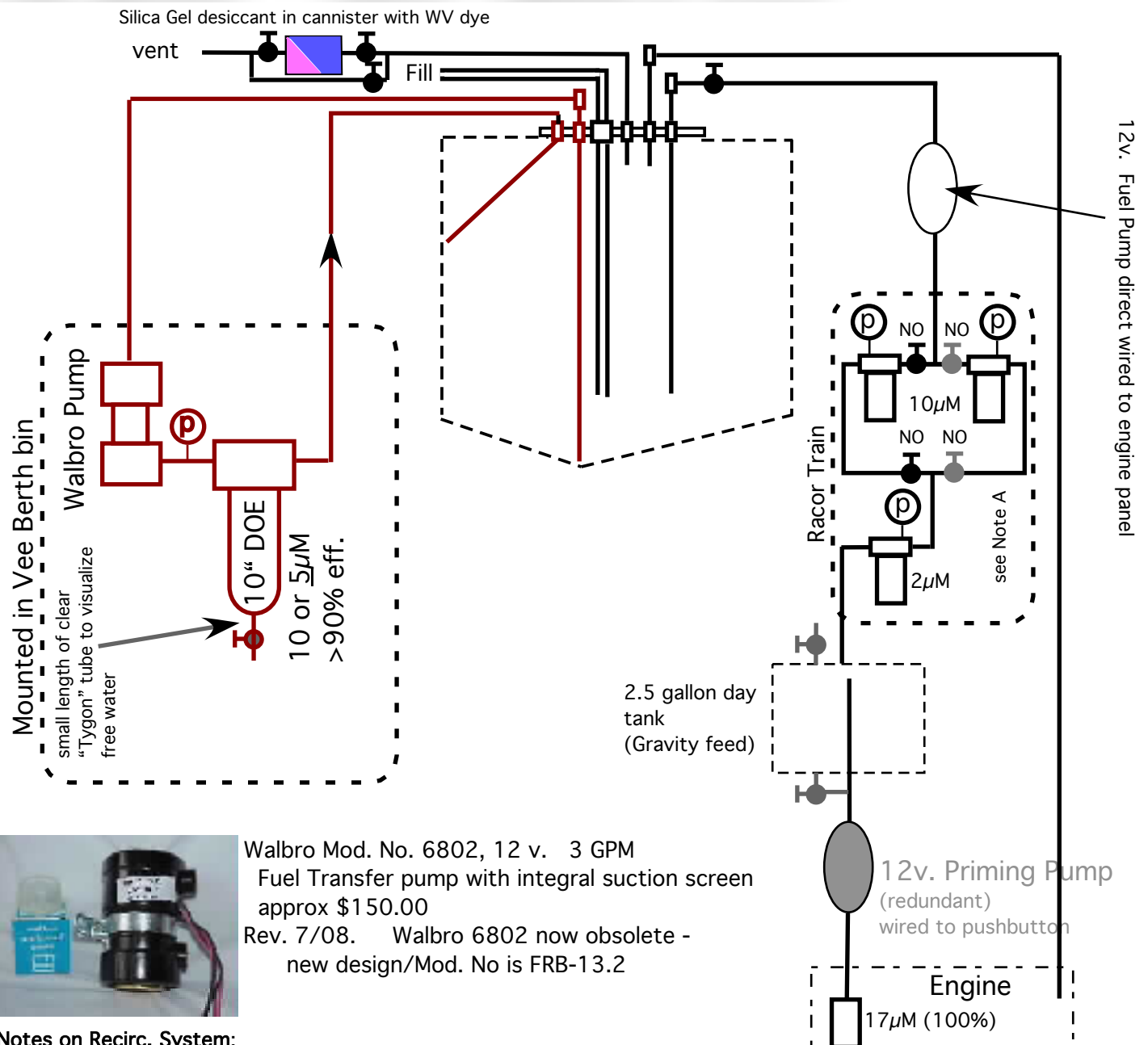


Fuel System "AQUILA" Tayana 37 #423



Notes on Recirc. System:

1/2" Copper (soft) tube with compression fittings (better if flared). Use standard tank fittings to enter manhole on tank. DO NOT connect recirc lines to tank vent to save applying manhole fitting !!!!! Manhole connections are simple tapped drillings. (Note - ALL copper lines to be replaced with flared stainless steel - Cu is reactive in diesel)
Wired to main panel breaker. System routinely used when engine is on, especially if sea state is active.
Testing of long term recycled fuel via nephelometry indicates probable background residence particulate level in tank @ less than 0,45µM

Filter housing is Shelco Carbon steel Mod. FOC104-GP4-E arranged for Double Open Ended 2.75" Ø. 10" length filter element. Cost is approx US\$80.00.

Filter is Osmonics Hytrec (spun bonded polypropylene depth media) PN GX15-10X, changed ea. 6 mos after initial polishing. Removal Efficiency probably at 95% (w) at micrometer rating. Cost@ US\$8.00 ea.

Walbro has integral screen @ approx 100µM. (needs to be cleaned @ 3-4 mos.)

Use EPDM (ethylenepropylenediaminemonomer) O-rings on Fltr. Housing to prevent swelling.

Suction Dip-tube inlet located at very bottom of tank.

Complicated Racor train now redundant - removed and replaced with single Racor.

Water knock-out via clear tygon tube + cock in bottom of recirc. bowl.

Note A - 12v differential P (w/set point) switch added and run to flashing diode (w/440ohm R) at engine panel

Note B PPropylene Hytrec swells in contact w/ oil - change @ 6-9 mos.

Note D Changed to 5µM recirculation filter. Need to change all copper to stainless tube - Cu is reactive.