

## EQUIPMENT LIST – Partial Deodorizer Asset 8233

Items highlighted in yellow are (partially) complete  
Items NOT highlighted are not done at all

### PARTIAL – For Sale

#### Item 104. ONE EXISTING DEAERATOR

##### (FABRICATION 80% COMPLETE)

- Duty: Remove air and any residual moisture from bleached oil
- Design: Packed column type with structured packing, complete with oil spray inlet, steam sparger, sight glasses and manway. For full vacuum operation
- Construction: Packing of 316L stainless steel, other wetted parts of 304L stainless steel

#### Item 101. ONE EXISTING DEODORIZER

##### (FABRICATION 70% COMPLETE)

- Duty: Evaporate free fatty acids and other unwanted volatile materials from oil; provide retention time to thermally break down color bodies and evaporate trace volatiles in the oil; condense distilled fatty acids and other materials
- Design: Double shell packed column design with heat bleaching section and integrated vapor scrubber. DSPC section includes inner column with structured packing complete with oil inlet distributor and steam stripping. Outer column protects the structured packing and maximizes efficiency. Heat Bleaching section includes steam agitation and sealed external drain valves (installed in field). Vapor Scrubber includes structured packing complete with distillate inlet distributor. Deodorizer includes removable steam distributors, sight glasses and steam sealed manways
- Construction: Packing of 316 stainless steel, other wetted parts of 304L stainless steel

#### Item 115. ONE EXISTING POST DEODORIZER

##### (FABRICATION 80% COMPLETE)

- Duty: Remove volatile flavor altering compounds from deodorized pre-cooled oil
- Design: Packed column with structured packing, complete with oil spray inlet, steam sparger, sight glasses and hermetic man way
- Construction: Packing of 316L stainless steel, other wetted parts of 304L stainless steel

#### Item 119. ONE EXISTING DISTILLATE RECEIVER

##### (FABRICATION 80% COMPLETE)

- Duty: Collect and hold distillate
- Design: Vacuum vessel with dished ends complete with sight glass
- Construction: 304L stainless steel

#### Item 122. ONE CROWN CHILLED LOOP VACUUM SYSTEM

Duty: Maintain 1.5 to 1.8 mbar (1.1 to 1.3 Torr) absolute pressure at top of vapor scrubber

Design:

A. Closed-loop direct condensing vacuum ejector system with a single steam booster, barometric type condensers, steam ejectors

B. Hot well (EXISTING; FAB. 70% COMPLETE)

C. Hot well circulation pump

D. Two plate heat exchangers

E. Caustic dosing system

F. Water-cooled chiller package system (wyedelta starter; full charge of R-134a or R-123 refrigerant; and supplier's standard controls),

G. Glycol tank (EXISTING; FAB. 90% COMPLETE)

H. Glycol circulation pump