APPENDIX I  Specifications on JVOPS Test Pumps and Oil/Water Separating Skimmers

1. JVOPS Test Pump Specifications (as available from the manufacturers)

DESMI DOP-250
Manufacturer: DESMI A/S, Denmark (www.desmi.com)
Pump Type: Positive Displacement Archimedes’ Screw (PDAS)
Weight: 75 kg/166 lbs (without AWIFs)
L x W x H: 0.55 x 0.36 x 0.59 m/22” x 14” x 23” (without AWIFs)
Displacement: 2.08 l/0.55 USgal per revolution
Max. Pressure: 10 bar/145 psi (allowed for 12 bar/174 psi in JVOPS Test)
Max. Capacity: 62.5 m³/h/275 USgpm with OMTS 315 motor (JVOPS Test)
100 m³/h/440 USgpm (w. standard OMTS 200 motor)
Hydr. Motor: Sauer Danfoss OMTS 315 (JVOPS Test)
Sauer Danfoss OMTS 200 (standard)
Outlet: 6” (standard) or 5”
Materials
Casing: Seawater resistant aluminum
Screw: Ni-resist steel
Plate wheel: High tensile steel core w. sealing discs
Sealing parts: PE-HD (standard and used in JVOPS Test)
Fiber glass reinforced PTFE (optional)

CCG GT-185
Manufacturer: LAMOR Corporation Ab, Finland (www.lamor.com)
Pump Type: Positive Displacement Archimedes’ Screw (PDAS)
Weight: 81 kg/179 lbs (without AWIFs)
LxWxH: 0.97 x 0.63 x 0.38 m/38” x 25” x 15” (without AWIFs)
Displacement: 1.25 l/0.33 USgal per revolution
Max. Pressure: 12 bar/174 psi (test pump w. high pressure plate wheel)
7 bar/102 psi (standard)
Max. Capacity: 27 m³/h/119 USgpm with Ross ME 15 motor (JVOPS Test)
45 m³/h/198 USgpm (w. standard motor)
Hydr. Motor: Ross ME 15 (JVOPS Test)
Torqmotor MAE 10 (standard)
Outlet: 4” (standard) 5 or 6” (optional)
Materials
Casing: Seawater resistant steel
Screw: Seawater resistant steel
Plate wheel: Fiber glass/nitril rubber sandwich (standard)
Stainless steel/ fiber glass reinforced PTFE (optional and used in JVOPS Test)
Sealing parts: Nitril Rubber (standard, no screw/casing seal)
Fiber glass reinforced PTFE (optional and used in JVOPS Test, no screw/casing seal)
LAMOR GT-A 50
Manufacturer: LAMOR Corporation Ab, Finland (www.lamor.com)
Pump Type: Positive Displacement Archimedes' Screw (PDAS)
Weight: 47 kg/104 lbs (without AWIFs)
L x W x H: 0.40 x 0.25 x 0.49 m/16" x 10" x 19" (without AWIFs)
Displacement: 1.04 l/0.275 USgal per. revolution
Max. Pressure: 12 bar/174 psi (standard)
Max. Capacity: 50 m³/h/220 USgpm with OMTS 200 motor (JVOPS Test)
62 m³/h/273 USgpm (w. standard OMTS 160 motor)
Hydr. Motor: Sauer Danfoss OMTS 200 (JVOPS Test)
Sauer Danfoss OMTS 160 (standard)
Outlet: 4" (standard) or 6" (JVOPS Test)
Materials
Casing: Seawater resistant aluminum
Screw: Acid proof steel
Plate wheel: High tensile acid proof steel core w. sealing discs
Sealing parts: Lamor 3372 high temperature seal material (standard from week 46/2003).

FRAMO TK-125
Manufacturer: Frank Mohn A/S, Norway (www.framo.com)
Pump Type: Double Screw
Weight: 86 kg/190 lbs (without AWIFs)
L x W x H: 0.30 x 0.25 x 1 m/12" x 10" x 40" (without AWIFs)
Displacement: 0.607 l/0.16 USgal per. revolution
Max. Pressure: 10 bar/145 psi (allowed for 12 bar/174 psi in JVOPS Test)
Max. Capacity: 55 m³/h/240 USgpm (at 1500 RPM)
Hydr. Motor: Rexroth A2FM80 (standard)
Outlet: 5" (standard) or 6" (JVOPS Test)
Materials
Casing: Silumin
Screws: Case hardened steel
2. Specifications on the JVOPS Workshop Oil/Water Separating Skimmers

**LAMOR Brush Chain Skimmer**
- Manufacturer: LAMOR Corporation Ab, Finland (www.lamor.com)
- Skimmer Type: Inclined brush chain conveyor with external scraper
- Operating Mode: Normal direction of rotation
- Oil Removal: Scraper comb
- Water Removal: Collection tray beneath belt bank
- Attachment to tank: Triangular steel frame
- Belt Dimensions, LxW: 2.9 x 0.8 m / 9.7 x 2.7 ft

**Environment Recovery Equipment (ERE) Steel Belt Skimmer**
- Manufacturer: Environment Recovery Equipment, Inc., Canada (www.ereweb.com)
- Skimmer Type: Inclined honey comb (square) steel belt w. internal oil push-out drum and external scraper
- Operating Mode: Opposite of normal direction of rotation
- Oil Removal: Scraper (JVOPS operating mode) Oil push-out drum followed by scraper (normal operating mode)
- Water Removal: Collection tray beneath belt bank
- Attachment to tank: Triangular steel frame
- Belt Dimensions, LxW: 2.13 x 0.9 m / 7 x 3 ft