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 m^3/h/275 USgpm with OMTS 315 motor (JVOPS Test)
	100 m^3/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 m^3/h /119 USgpm with Ross ME 15 motor (JVOPS Test)
	45 m^3/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 m^3/h/220 USgpm with OMTS 200 motor (JVOPS Test)
	62 m^3/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 m^3/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