



ITEM	PART NUMBER	QTY	DESCRIPTION	MATERIAL
1	853E0250H01	1	PIPE, NPS-8 SCH.40 (322 WALL) X 23" LG (REQ#29410006P04)	SA-312 TP304 SMLS MAT ORIGIN/MTR
2	853A0092H01	1	FLANGE, END OIL FILTER, 1 1/2" NOM. THK.	SA-240 GR 304 SS MAT ORIGIN/MTR
3	853A0091H01	1	END COVER, OIL FILTER, 1 1/4" NOM. THK.	SA-240-304 MAT ORIGIN/MTR
4	959A0067H01	1	GASKET, 10" OD X 9 1/4" ID X 1/16" THK	GARLOCK 3300
5	902A0024H05	24	NUT, HEX HEAVY, 5/8-11 UNC	SA-194 GR8
6	535A0277H01	1	CLAMPING PLATE	SA-240-304
7	959A0053H01	1	GASKET 6 3/16 ID X 7 13/16 OD X 1/8 THK	GARLOCK 3300
8	535A0274H01	1	CLAMPING RING	SA-240-304
9	531A0218H02	1	ELEMENT OIL FILTER, PLEATED GLASS, 6 OD X 14 1/2 LG	SA-240-304
10	540D0217H06	1	SEAL WASHER	GARLOCK 3300
11	900A0006H01	1	YOKE, FILTER END (FACET)	Aluminum-6061
12	902A0024H04	2	NUT, HEX HEAVY, 1/2-13 UNC	SA-194 GR8
13	901A0103H25	6	CAP SCREW, HEX HEAD, 3/8-16X 1 LG	SA-193-B8 CL2
14	905A0005H05	1	WASHER, 1/2, STAINLESS STEEL	SS GR304
15	535A0277H01	1	BRACKET, MTG OIL FILTER ASSEMBLY	SA-240-304
16	553A0004H02	4	GUIDE FILTER	SA-240-304
17	853E0250H03	2	PIPE, NPS-1 1/2, XS (200 WALL) X 7" LG (REQ# 29410006P05)	SA-312 TP304 SMLS MAT ORIGIN/MTR
18	905A0006H05	1	WASHER, LOCK, STAINLESS STEEL	SA-240-304
19	944A0011H05	1	PLUG, PIPE, HEX HEAD, 1/2 NPT	SA-105
20	901A0165H13	12	STUD, 5/8" UNC X 4 1/2" LG	SA-193-B8, 304 SS
21	333Q0001800	1	THREADED ROD, CENTER, 1/2" NC X 16-3/4 LG	SA-479-316
22	944A0010H05	1	BUSHING, HEX HEAD, 1/2 MPT X 1/4 FPT	ASTM A-105
23	540A0194G01	1	EVACUATION AND CHARGE KIT (TEMPORARY - REMOVE PRIOR TO START-UP)	SEE DRAWING
24	853A0093H01	1	END PLATE, OIL FILTER 8 5/8" OD X 1" THK NOM	SA-240-304 MAT ORIGIN/MTR
25	945A0049H09	2	END PLATE, PERMANENT, NPS-3 SCH.40, CL300	SA-240-304 SS

CONN	Qty	Size	Sch. / WT	Wall	Material	Description	WD #
A	1	1 1/2	XS	0.2	SA-312-TP304 SMLS	OIL INLET	6
B	1	1 1/2	XS	0.2	SA-312-TP304 SMLS	OIL OUTLET	6
D	1	1/2 FPT				VENT	
E	1	1/2 FPT				DRAIN	

YORK Refrigeration
 Drawing for Customer Approval
 In order to meet delivery, drawing comments and/or approval must be received within the number of working days stated in the purchase order.
 Drawing for Customer Information. Certified for Production
 Customer changes may impact cost and delivery.
 Certified for Production - No Revision Required
 Customer has approved drawing with no changes required.
 Certified for Production
 Customer changes have been incorporated.
 Certified As Built
 QA must notify Engineering of all deviations from engineering drawings.
 Purchased by: SandRidge Energy
 1601 NW Expressway
 Suite 1600
 Oklahoma City, Oklahoma City, TX 73118
 USA
 IFC# 29410001000
 Ship To: SandRidge Energy
 C/O
 1012 N US Highway 285
 Fort Stockton, TX 79735
 USA
 Customer P/O: 27607-P-13-012

TEST-SHELL CHAMBER	460	PSIG HYDROSTATIC US-990
TEST-SHELL CHAMBER	460	PSIG PNEUMATIC US-1000
TEST-TUBE OR COIL CH.		PSIG HYDROSTATIC US-990
TEST-TUBE OR COIL CH.		PSIG PNEUMATIC US-1000
CLEAN PER MMIB 4.9.5.1.		
PANT	Ametek 400	
WEIGHT EMPTY	200	LB. APPROX.
WEIGHT FULL WATER	290	LB. APPROX.

- NOTES:
- ALLOW ADJUSTMENT IN EACH PLANE FOR EXTERNALLY PREFABRICATED PIPING.
 - ALL CONNECTIONS FURNISHED WITH EITHER PIPE CAPS, PIPE PLUGS OR TEMPORARY END PLATES. TEMPORARY END PLATES MUST BE REMOVED PRIOR TO OPERATION. IF THE NOZZLE PIPE NECK IS TO BE CUT DURING THE REMOVAL PROCESS, THE REMAINING PROJECTION, EXCLUDING WELD BEVEL, SHALL BE AT LEAST 2-1/2 INCHES. DEVIATIONS REQUIRE VESSEL ENGINEERING APPROVAL.
 - BOLT TORQUE REQUIREMENTS: A. FINGER TIGHT B. HALF TORQUE - 45 FT-LB (62 N-m) C. FULL TORQUE VALUE - 85 FT-LB (116 N-m)
 - REFERENCE MMIB 4.06.5.5 - TORQUE REQUIREMENTS
 - REFERENCE MMIB 4.06.5.6 - PIPE SEALANT NEVER SEEZ/TEFLON TAPE
 - REFERENCE MMIB 4.09.5.1 - INTERIOR CLEANING AND PROTECTION
 - REFERENCE MMIB 4.09.7.7 - PAINTING ISP-201
 - REFERENCE MMIB 4.09.7.11 - PAINTING PARAMETERS FOR HIGH SOLID MATERIAL
 - APPLICABLE CODE: ASME B31.3 - 2006 "PROCESS PIPING CODE"
 - CORROSION ALLOWANCE: NONE
 - TAG VESSEL: OF-401/402 & OF-501/502
 - MARK VESSEL HORIZONTAL AND VERTICAL CENTER LINES ON SHELL FOR REFERENCE.
 - BREAK ALL SHARP CORNERS AND EDGES 1/64 - 1/32 CHAMFER OR RADIUS. VISUALLY INSPECT ONLY.
 - ASSEMBLY TO BE FREE OF BURRS, CHIPS AND WELD SPATTER.
 - DESIGN CONDITIONS: 400/-15 PSIG AT 250°F AND 400/-15 PSIG @ -20°F.
 - INTERNAL FASTENERS TO BE WETTED WITH OIL PRIOR TO TORQUING.
 - SERVICE - REFRIGERANT OIL.
 - TORQUE FIRST 1/2 NC NUT ON FILTER STUD TO 10 FT. LBS. WHILE SECURING THE FIRST NUT WITH A WRENCH APPLY A SECOND 1/2 NC NUT TO THE FILTER STUD ACTING AS A LOCKING NUT.
 - TORQUE 3/8 NC HHCS TO 30 FT. LBS.

WELD NOTES:
 1. ALL WELDS TO BE CONTINUOUS UNLESS OTHERWISE SPECIFIED.
 2. REFER TO DRAWING 985A103 FOR VESSEL WELD JOINT DETAILS NOT SHOWN ON THIS DRAWING.
 3. USE 8-8-VSL WELD PROCEDURES

QUALITY NOTES:
 1. REFERENCE MMIB 4.11.7.1 - NON-DESTRUCTIVE TESTING - DYE PENETRANT
 2. REFERENCE MMIB 4.11.7.2 - PNEUMATIC TESTING - SUBMERGED

UNLESS OTHERWISE SPECIFIED TOLERANCES PER GFA 18

DEC 3PL	+	DEC 3PL	+	FRACT	+	ANGLE	+
1		2		3		4	

YORK Refrigeration
 OIL FILTER, 1-ELEMENT
 8 5/8" OD, 1 1/2" CONNECTIONS, SS
 FOR "M" COMPRESSORS

DATE: 6/1/2009
 DRAWN BY: E. REED/DES
 CHECKED BY: T. PALMER
 APP'D BY: T. PALMER
 CODE: C. J. BOWERS

SCALE: 1:3

SHEET 1 OF 1