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## ERRATA

**Cover, Change:**

“(Modified)”

*to*

“(Identical)”

*and*

“10438:2008”

*to*

“10438:2007”

**Part 1, Annex A,** *Insert the following pages after page 1-39:*

API 614/ISO 10438-1 DATASHEET		Job No.:	Item No.:
SCOPE AND ATTACHMENTS		Page: 1 of 2	By:
USC units		Date:	Revision:
1	Apply To: <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As Built		Rev
2	For _____ Site _____		
3	Oil System for _____		
4	Supplier _____ Manufacturer _____		
5	Purchase Order No. _____ Date _____ Inquiry No. _____ Requisition No. _____		
6			
7	<b>Explanations:</b>		
8	- The party to complete the information is indicated as follows:		
9	<input type="radio"/> Purchaser <input type="checkbox"/> Vendor <input type="checkbox"/> Either, but by vendor if not by purchaser.		
10	- An asterisk * specifies a requirement, value, or criterion.		
11	- Designations in parentheses ( ) are: explained in the cited standard; numbers without a prefix are subclause numbers; those		
12	prefixed "T" are text figure numbers; those prefixed "A" are Annex "A" Figure numbers.		
13	<b>Applicable documents:</b>		
14	<input type="radio"/> Local Instruments and Panel Items (API 614/ISO 10438-1) <input type="radio"/> Pumps _____		
15	<input type="radio"/> Instrument Suppliers (API 614/ISO 10438-1) <input type="radio"/> Pump Drivers (Motor) _____		
16	<input type="radio"/> Special Purpose Oil Systems (API 614/ISO 10438-2) <input type="radio"/> Pump Drivers (Turbine) _____		
17	<input type="radio"/> General Purpose Oil Systems (API 614/ISO 10438-3) <input type="radio"/> Referenced standards _____		
18	<input type="radio"/> Self-acting Gas Seal Support Modules (API 614/ISO 10438-4) <input type="radio"/> Additional documents _____		
19	<input type="radio"/> Additional documents _____ <input type="radio"/> Additional documents _____		
20	<input type="radio"/> Additional documents _____		
21			
22	<b>Installation data:</b> (also see page 2)		
23	<input type="radio"/> * General site data included in specification		
24	<input type="radio"/> * Utility data included in specification		
25	* If blank, provide on page 2 of this specification		
26	<input type="radio"/> Space available for oil system: L _____ W _____ H _____ (ft)		
27	<input type="radio"/> Plot plan showing console location in relation to main equipment (4.3.2):		
28	(Sketch the equipment plot plan with relation to the console location here)		
29	<input type="radio"/> Maximum allowable noise level not to exceed _____ dB or see _____		
30	<input type="radio"/> Winterize <input type="radio"/> Tropicalize <input type="radio"/> Minimum clearance and access to components required (-2, 4.1.13; -3, 4.2.9) _____ (ft)		
31	<input type="radio"/> Area classification: Class _____ Group _____ Division _____ or see _____		
32			
33	<b>Equipment oil required:</b>		
34	<b>Lube oil (-2, 4.1.8; -3, 4.2.7):</b> Normal After trip <b>Seal oil - Range of operating conditions (-2, 4.1.10):</b>		
35	<input type="checkbox"/> _____ (psig) supply pressure (gpm) (gpm) _____ (gpm) (psig)		
36	<input type="checkbox"/> Driven equipment _____ <input type="radio"/> Normal operation _____ / _____		
37	<input type="checkbox"/> Driven equipment _____ <input type="radio"/> Settling-out pressure _____ / _____		
38	<input type="checkbox"/> Driven equipment _____ <input type="radio"/> Process relief-valve setting _____ / _____		
39	<input type="checkbox"/> Prime mover _____ <input type="radio"/> Shop test and field run-in _____ / _____		
40	<input type="checkbox"/> Gears _____ <input type="radio"/> Startup _____ / _____		
41	<input type="checkbox"/> Couplings _____ <input type="radio"/> Other _____ / _____		
42	<input type="checkbox"/> Total: <input type="checkbox"/> Oil type / viscosity: _____		
43	<input type="checkbox"/> Control oil (normal) _____ (-2, 4.1.7; -3, 4.2.6)		
44	<input type="checkbox"/> Control oil (transient) _____ <input type="checkbox"/> Required heat load _____ (BTU/hr)		
45			

Figure A.1 — Datasheet — Scope and attachments — USC units

<b>API 614/ISO 10438-1 DATASHEET</b>		Job No.: _____		Item No.: _____	
<b>SCOPE AND ATTACHMENTS</b>		Page: <u>2</u> of <u>2</u>		By: _____	
<b>USC units</b>		Date: _____		Revision: _____	
					Rev
1	<b>* Site data:</b>		<b>Utility data:</b>		
2	<input type="radio"/> Ambient conditions		<input type="radio"/> Electrical <input type="radio"/> Cooling water: water source		
3	<input type="radio"/> Min/max temperature (°F)    ___ / ___		Volts    ___		Inlet temperature (°F)    ___      Maximum return (°F)    ___
4	<input type="radio"/> Relative humidity		Hertz    ___		Normal pressure    ___      Design pressure    ___
5			Phase    ___		(psig)    ___      (psig)    ___
6					Min. return    ___      Maximum Delta $\rho$ ( $\Delta p$ )    ___
7					(psig)    ___      (psi)    ___
8	<input type="radio"/> Steam <b>Drivers [-2; 4.4.13c]:</b>		<b>Heating:</b>		
9	Pressure    ___		Temperature    ___	Pressure    ___	Temperature    ___
10	Pressure    ___		Temperature    ___	Pressure    ___	Temperature    ___
11	Pressure    ___		Temperature    ___	Pressure    ___	Temperature    ___
12	Pressure    ___		Temperature    ___	Pressure    ___	Temperature    ___
13	Pressure    ___		Temperature    ___	Pressure    ___	Temperature    ___
14	Pressure    ___		Temperature    ___	Pressure    ___	Temperature    ___
15					
16	<b>Location (4.5.2):</b>				
17	<input type="radio"/> Indoor		<input type="radio"/> Heated		<input type="radio"/> Under roof
18	<input type="radio"/> Outdoor		<input type="radio"/> Unheated		
19	<b>Painting:</b>		<input type="checkbox"/> Mass	<input type="checkbox"/> Dimensions:	L      W      H
20	<input type="radio"/> Component supplier standard		(lb)	(ft)	
21	<input type="radio"/> Unified per system supplier standard		Console	Console	___
22	<input type="radio"/> Purchaser standard per    ___		Panel	Panel	___
23	<input type="radio"/> _____		___	___	___
24	<input type="radio"/> _____		___	___	___
25					
26	<b>Preparation for shipment</b>		<b>Miscellaneous documentation</b>		
27	<input type="radio"/> Install new filter elements and tag		<input type="radio"/> Spare parts quotation with proposal		
28	<input type="radio"/> Include ___ sets of extra filter elements		<input type="radio"/> Spare parts quotation after contract		
29	<input type="radio"/> Box extra sets with the    ___ system		<input type="radio"/> Above based on normal supply for    ___ months.		
30	<b>Other spares:</b>		<input type="radio"/> Complete inspector's checklist		
31	<input type="radio"/> _____		<input type="radio"/> Progress reports (8.3.4)		
32	<input type="radio"/> _____		<input type="radio"/> Technical data manual within 30 days after shop test (8.3.6.4)		
33	<input type="radio"/> _____		<input type="radio"/> _____		
34	<input type="radio"/> _____		<input type="radio"/> _____		
35					
36	<b>System and components</b>		<b>Spare parts</b>		
37		Vendor Std.	Purch. Spec.	Vendor Std.	Purch. Spec.
38	<input type="radio"/> Domestic	<input type="checkbox"/>	___	<input type="checkbox"/>	___
39	<input type="radio"/> Export	<input type="checkbox"/>	___	<input type="checkbox"/>	___
40	<input type="radio"/> Extended Storage	<input type="checkbox"/>	___	<input type="checkbox"/>	___
41	___ months				
42					
43	<b>Comments:</b>				
44	_____				
45	_____				
46	_____				
47	_____				
48	_____				

Figure A.1 — Datasheet — Scope and attachments — USC units (continued)

<b>API 614/ISO 10438-1 DATASHEET</b>		Job No.: _____	Item No.: _____
<b>Instrument suppliers</b>		Page: <u>1</u> of <u>1</u>	By: _____
<b>USC units</b>		Date: _____	Revision: _____
1	APPLICABLE TO: <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As Built		
2	For _____ Site _____		
3	Oil System for _____		
4	Supplier _____ Manufacturer _____		
5	Purchase Order No. _____ Date _____ Inquiry No. _____ Requisition No. _____		
6			
7	<b>Instrument suppliers:</b>	<b>Manufacturer</b>	<b>Description</b>
8	Pressure gauges		
9	Temperature gauges		
10	Level gauges		
11	Differential pressure gauges		
12	Pressure switches		
13	Differential pressure switches		
14	Temperature switches		
15	Level switches		
16	Control valves		
17	Pressure relief valve		
18	Thermal relief valve		
19	Sight flow indicators		
20	Pressure transmitter		
21	Vibration equipment		
22	Tachometer		
23	Solenoid valves		
24	Annunciator		
25	Thermocouples		
26	Resistance temperature detectors (RTDs)		
27	Thermowells		
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42	<input type="checkbox"/> Purchaser's review and acceptance of components prior to purchase (8.2.3.2)		

**Figure A.2 — Datasheet — Instrument suppliers — SI and USC units**

API 614/ISO 10438-1 DATASHEET				Job No.:	Item No.:
Local instruments and panel				Page: 1 of 3	By:
USC units				Date:	Revision:
1	APPLICABLE TO:	<input type="checkbox"/> Proposal	<input type="checkbox"/> Purchase	<input type="checkbox"/> As Built	Rev
2	For	Site			
3	Oil System for				
4	Supplier	Manufacturer			
5	Purchase Order No.	Date	Inquiry No.	Requisition No.	
6					
7	<b>Explanations:</b>				
8	- The party to complete the information is indicated as follows:				
9	<input type="radio"/> Purchaser <input type="checkbox"/> Vendor <input checked="" type="checkbox"/> Either, but by vendor if not by purchaser.				
10	- An asterisk * specifies a requirement, value, or criterion.				
11	- Designations in parentheses ( ) are: explained in the cited standard; numbers without a prefix are subclause numbers; those				
12	prefixed "T" are text figure numbers; those prefixed "A" are Annex "A" Figure numbers.				
13	<b>Service</b>	<b>Console gauge board</b>	<b>Local equipment panel</b>	<b>Remote equipment panel</b>	
14					
15	<input type="radio"/> Panel identification				
16	<input type="radio"/> Supplied by				
17	<input type="radio"/> Type: free standing				
18	Mounted on				
19	<input type="radio"/> Open or fully enclosed (6.3.1.4)				
20	<input type="radio"/> Weather tight				
21	<input type="radio"/> Purged or pressurized				
22	<input type="radio"/> Purge or pressure gas				
23	<input type="radio"/> Shutoff valves for shutdown				
24	sensing devices (6.2.1.2)				
25	<input type="radio"/> Annunciator system (6.2.4.1)				
26	<input type="radio"/> Rear access doors				
27	<input type="radio"/> Walk-in facility				
28	<input type="radio"/> Sun and weather roof extension				
29	<input type="radio"/> Light panel front/interior				
30	<input type="radio"/> Limits: max height above floor				
31	<input type="radio"/> Lowest item above floor				
32	<input type="radio"/> Spare terminals required				
33	<input type="radio"/> Minimum wire size				
34	<input type="radio"/> Signal segregation required (6.3.1.8)				
35	<input checked="" type="checkbox"/> Material: front panel				
36	<input checked="" type="checkbox"/> Other panels and doors				
37	<input checked="" type="checkbox"/> Chassis				
38	<input type="radio"/> Vibration isolator				
39	<input type="radio"/> Electrical area classification				
40	<input type="radio"/> Panel power supply				
41	<input type="radio"/> Extra cutouts required				
42	<input type="radio"/> Common panel for driver & driven				
43	equipment (6.3.1.3)				
44	<input type="radio"/> Multipoint instruments permitted (6.3.2.6)				
45					

Figure A.3 — Datasheet — Local instruments and panel — SI and USC units

<b>API 614/ISO 10438-1 DATASHEET</b>		Job No.: _____	Item No.: _____
<b>Local instruments and panel</b>		Page: <u>2</u> of <u>3</u>	By: _____
<b>USC units</b>		Date: _____	Revision: _____
1	<b>APPLICABLE TO:</b> <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As Built		
2	For _____		Site _____
3	Oil System for _____		
4	Supplier _____	Manufacturer _____	
5	Purchase Order No. _____	Date _____	Inquiry No. _____    Requisition No. _____
6			
7	<b>Explanations:</b>		
8	- The party to complete the information is indicated as follows:		
9	<input type="radio"/> Purchaser <input type="checkbox"/> Vendor <input type="checkbox"/> Either, but by vendor if not by purchaser.		
10	- An asterisk * specifies a requirement, value, or criterion.		
11	- Designations in parentheses ( ) are: explained in the cited standard; numbers without a prefix are subclause numbers; those		
12	prefixed "T" are text figure numbers; those prefixed "A" are Annex "A" Figure numbers.		
13	<b>Use the following code letters for details of panel mounted items:</b>		
14	L - Locally mount on piping	B - Local equipment panel	C - Remote equipment panel
15	F - Flush mount on front	H - Purchaser remote mount (control room)	CP - Cutout to purchaser item
16	S - Surface mount on front	P - Purchaser supply and mount	M - Mount by vendor of purchaser
17	R - Rear of panel mount	V - Vendor supply and mount	
18	<b>Equipment instrumentation (6.3.1.1, 6.3.1.5)</b>		
19	Panel identification	<b>L B C</b>	Panel identification <b>L B C</b>
20	<b>Pressure gauges (6.3.8.1)</b>		<b>Push button stations</b>
21	<input type="radio"/> Main turbine inlet		<input type="radio"/> Main equipment start
22	<input type="radio"/> Main turbine first stage		<input type="radio"/> Main equipment stop
23	<input type="radio"/> Main turbine extraction		<input type="radio"/> Compressor block in
24	<input type="radio"/> Main turbine exhaust		<input type="radio"/> Compressor unblock
25	<input type="radio"/> Steam chest		<b>Miscellaneous</b>
26	<input type="radio"/> First stage after extraction		<input type="radio"/> Equipment tachometer
27	<input type="radio"/> Nozzle bowl		<input type="radio"/> Equipment speed control
28	<input type="radio"/> Steam seal		<input type="radio"/> Equipment ammeter
29	<input type="radio"/> Ejector/Eductor steam		<input type="radio"/> Compressor inlet controller
30	<input type="radio"/> Compressor suction		<input type="radio"/> Annunciation system
31	<input type="radio"/> Compressor discharge		<input type="radio"/> Sequence selected from ISA 18.1 by purchaser (6.2.4.3)
32	<input type="radio"/> Each compressor section		<input type="radio"/> Separate first-our indication shall be provided (6.2.4.4)
33	<input type="radio"/> Balance chamber		<input type="radio"/> Equipment flow meter
34	<b>Differential pressure gauges</b>		<input type="radio"/> Guide vane positioner
35	<input type="radio"/> Compressor air filter		<input type="radio"/> Suction throttle valve
36	<input type="radio"/> Buffer gas		<input type="radio"/> Anti-surge equipment
37	<input type="radio"/> Balance chamber		<input type="radio"/> Capacity control equipment
38	<input type="radio"/> Other		<input type="radio"/> Hand-auto (HA) or Hand-off-auto starting switch for pump motor(s) (6.2.1.3)
39	<b>Temperature gauges</b>		
40	<input type="radio"/> Main turbine inlet steam		<input type="radio"/> Other
41	<input type="radio"/> Main turbine exhaust		<input type="radio"/> Other
42	<input type="radio"/> Main turbine extraction/induction		<input type="radio"/> Other
43	<input type="radio"/> Compressor suction (each section)		<b>Monitors</b>
44	<input type="radio"/> Compressor discharge (each section)		<input type="radio"/> Vibration
45	<input type="radio"/> Other		<input type="radio"/> Axial position
46	<input type="radio"/> Level indicators/controllers		<input type="radio"/> Thrust bearing metal temp
47	<input type="radio"/> Suction separator		<input type="radio"/> Journal bearing metal temp
48	<input type="radio"/> Interstage separator		
49	<input type="radio"/> Discharge separator		

Figure A.3 — Datasheet — Local instruments and panel — SI and USC units (continued)

<b>API 614/ISO 10438-1 DATASHEET</b>		Job No.: _____	Item No.: _____
<b>Local instruments and panel</b>		Page: 3 of 3	By: _____
<b>USC units</b>		Date: _____	Revision: _____
1	APPLICABLE TO: <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As Built		
2	For _____ Site _____		
3	Oil System for _____		
4	Supplier _____ Manufacturer _____		
5	Purchase Order No. _____ Date _____ Inquiry No. _____ Requisition No. _____		
6			
7	<b>Explanations:</b>		
8	- The party to complete the information is indicated as follows:		
9	<input type="radio"/> Purchaser <input type="checkbox"/> Vendor <input type="checkbox"/> Either, but by vendor if not by purchaser.		
10	- An asterisk * specifies a requirement, value, or criterion.		
11	- Designations in parentheses ( ) are: explained in the cited standard; numbers without a prefix are subclause numbers; those		
12	prefixed "T" are text figure numbers; those prefixed "A" are Annex "A" Figure numbers.		
13	<b>Instrumentation</b>		
14	<input type="radio"/> Signal segregation requirements provided by purchaser (6.3.1.8)		
15	Wiring to be installed in (6.3.1.10): <input type="radio"/> Metal Conduit <input type="radio"/> Cable trays <input type="radio"/> Enclosures		
16	Switches shall be wired to: <input type="radio"/> open (de-energize) or <input type="radio"/> close (energize) to initiate alarms and shutdowns (6.3.2.4)		
17	<input type="radio"/> Signal segregation required (6.3.1.8)		
18	<input type="radio"/> Transmitters shall be provided (6.3.3.1, 6.3.3.2)    Output signal type _____    Housing type _____		
19	<input type="radio"/> Analog <input type="radio"/> Digital (6.3.3.3) <input type="radio"/> Indicating type <input type="radio"/> Non-indicating (blind) type		
20	<input type="radio"/> Non-Hazardous <input type="radio"/> Non-incendive <input type="radio"/> Explosion proof <input type="radio"/> Intrinsically safe (IS) (6.3.3.4)		
21	<input type="radio"/> Liquid-filled or dampened movement gauges shall be furnished (6.3.8.3)		
22	<input type="radio"/> Sight flow indicators installed in the drain lines of totally enclosed dry coupling guards (6.3.9.2)		
23	<input type="radio"/> Restrictive flow indicators installed on in the pressurized inlet line to each continuously lubricated coupling (6.3.9.5)		
24	<input type="radio"/> Continuously energized solenoids required for trip circuits (6.3.10.3)		
25	<input type="radio"/> Thermal relief valves provided for components that may be blocked in by isolation valves (6.3.11.5)		
26	<b>Electrical Systems</b>		
27	<input type="radio"/> Characteristics of electrical power supplies for motors, heater and instruments shall be specified (6.4.2)		
28	<input type="radio"/> Instrument and control wiring may be solid conductors in areas not subject to vibration (6.4.6)		
29	Wiring installed in (6.3.1.10, 6.4.13): <input type="radio"/> Metal Conduit <input type="radio"/> Cable trays <input type="radio"/> Enclosures		
30	<input type="radio"/> Conduit drains provided in all conduit low points for indoor installations (6.4.18)		
31	<input type="radio"/> Electrical materials, including insulation, shall be corrosion resistant and non-hygroscopic (6.4.11)		
32	Alarm/Trip wiring per Arrangement (6.2.3): <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3		
33	Any alarm shall initiate: <input type="radio"/> Audible warning <input type="radio"/> Flashing light <input type="radio"/> Both Audible Warning and flashing light [6.2.2.5b]		
34	Any shutdown shall initiate: <input type="radio"/> Audible warning <input type="radio"/> Flashing light <input type="radio"/> Both Audible Warning and flashing light [6.2.2.5c]		
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			

Figure A.3 — Datasheet — Local instruments and panel — SI and USC units (continued)

**Part 2, Annex A, *Insert the following pages after page 2-30:***



API 614/ISO 10438-2 DATASHEET SCOPE AND ATTACHMENTS USC UNITS				Job No.: _____	Item No.: _____
				Page: <u>1</u> of <u>7</u>	By: _____
				Date: _____	Revision: _____
1	APPLICABLE TO: <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As Built			Rev	
2	For _____ Site _____				
3	Oil System for _____				
4	Supplier _____ Manufacturer _____				
5	Purchase Order No. _____ Date _____ Inquiry No. _____ Requisition No. _____				
6					
7	Explanations:    1. The party to complete the information is indicated as follows:				
8	<input type="radio"/> Purchaser <input type="checkbox"/> Vendor <input type="checkbox"/> Either, but by vendor if not by purchaser.				
9	2. An asterisk * specifies a requirement, value, or criterion.				
10	3. Designations in paranthesis ( ) are explained in the cited standard; numbers without a prefix are subclass				
11	numbers; those prefixed "T" are text figure numbers; those prefixed "A" are Annex "A" Figure numbers.				
12	<b>Overall system typical schemas (-1;4.3.1)</b>	Figure No	Option Nos	Comments	
13	<input type="radio"/> Combined lube, seal & control system				
14	<input type="radio"/> Separate seal oil system				
15	<input type="radio"/> Seal module at equipment				
16	<input type="radio"/> Lube / control oil system				
17	<input type="radio"/> Basic oil supply module				
18	<input type="radio"/> Lube module at equipment				
19	<input type="radio"/> Drawing requirements				
20	<input type="radio"/> Component review				
21	<b>Oil Requirements: See API 614/10438-1 datasheet (4.1.4, 4.1.5, 4.1.7, 4.1.8)</b>				
22	<b>Supply arrangement (4.1.6, 4.2.1):</b> Lube oil    Seal oil    Combined			<b>Baseplates:</b>	
23	<input type="radio"/> Separate console <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/> Point support (4.2.9)	
24	<input type="radio"/> Multiple package <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/> Grout holes / vent holes	
25	<input type="radio"/> Package no. 1			<input type="radio"/> Epoxy grout precoat (4.2.7)	
26	<input type="radio"/> Package no. 2			<input type="radio"/> Flat decking (4.2.3)	
27	<input type="radio"/> Package no. 3				
28	<b>Basic System Details:</b>				
29	<input type="radio"/> Compressor block-in time _____ (min)			<input type="radio"/> Process relief valve setting _____ (psig)	
30	<input type="checkbox"/> Equipment coast-down time _____ (min)			<input type="radio"/> Shop test conditions	
31	<b>Equipment cool off time:</b>			<input type="radio"/> Field start-up / run-in conditions	
32	<input type="checkbox"/> Driver _____ (min)			<input type="radio"/> Other special conditions	
33	<input type="checkbox"/> _____ (min)			<input type="radio"/> Welding & special fabrication requirements (-1; 4.6.2)	
34	<input type="checkbox"/> Minimum start up oil temperature _____ (°F)			<input type="radio"/> 100% radiography	
35	<b>Other :</b>			<input type="radio"/> Magnetic particle	
36	<input type="checkbox"/> Settling out pressure _____ (psig)    (4.1.10)			<input type="radio"/> Liquid penetrant	
37				<input type="radio"/> Heat loss analysis of system and interconnecting piping (4.3.7.7)	
38	<b>Components</b>				
39	<b>Piping &amp; Tubing:</b>			<input type="radio"/> Utilities manifolded to common connections (-1; 5.1.30)	
40	<input type="radio"/> Material			<input type="radio"/> Air	
41	<input type="radio"/> Double block & bleeds required (4.1.16)			<input type="radio"/> Cooling water	
42	<input type="radio"/> Tight shutoff			<input type="radio"/> Other	
43	<input type="radio"/> Tubing fitting - Mfg _____ Model _____			<input type="radio"/> Instrument test valves required (-1; 5.1.27)	
44	<input type="radio"/> Carbon steel slip-on flanges			<input type="radio"/> Valve heads vented to reservoir	
45	<input type="radio"/> Through studs required			<input type="radio"/> Additional purchaser specification for valves (-1; 5.1.32)	
46	<input type="radio"/> Heat tracing reqd by <input type="checkbox"/> Purchaser <input type="checkbox"/> Vendor			<input type="radio"/> Flanged gate valves required per ISO 10434 / API 602 (-1; 5.1.33)	
47	<input type="radio"/> Special requirements specified by purchaser (-1; 5.1.18)				

Figure A.1 — Datasheet special purpose oil systems — USC units

API 614/ISO 10438-2 DATASHEET SCOPE AND ATTACHMENTS USC UNITS		Job No.: _____	Item No.: _____
		Page: <u>2</u> of <u>7</u>	By: _____
		Date: _____	Revision: _____
			Rev
1	APPLICABLE TO: <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As Built		
2	Supplier _____	Manufacturer _____	
3	Purchase Order No. _____ Date _____	Inquiry No. _____	Requisition No. _____
4			
5	<b>Oil Conditioners:</b>	<b>Degassing Drum (4.11.1):</b>	
6	<input type="radio"/> Purch. Item no. _____	<input type="radio"/> Purchaser's item no. _____	<input type="radio"/> Service used in _____
7	<input type="radio"/> Service used in _____	<input type="radio"/> Type in accordance with Figure 4 or other spec	<input type="radio"/> Flow control _____
8	<input type="radio"/> Type _____	Operating temp. _____ (°F)	<input type="radio"/> Thermostat control _____
9	<input type="radio"/> Portable / fixed _____	(gpm) normal/max _____ / _____	<input type="checkbox"/> Material _____
10	<input type="checkbox"/> Rated flow (gpm) _____	Normal retention _____ minutes	<input type="checkbox"/> Interior coating _____
11	<input type="checkbox"/> Manufacturer _____	Norm/max. capacity _____ / _____ (gpm)	<input type="checkbox"/> Oversized vent _____
12	<input type="checkbox"/> Model _____	<input type="radio"/> Purge gas type _____	<input type="radio"/> Vent relief device _____
13	<input type="checkbox"/> Driver for _____	<input type="checkbox"/> (scfm) required _____	<input type="radio"/> Omit breather _____
14	<input type="checkbox"/> HP & enclosure _____	<input type="radio"/> Type heating device (4.11.3) _____	<input type="radio"/> Code construction (4.11.6) _____
15	<input type="checkbox"/> Volts / PH / Hz _____	<input type="radio"/> Corrosion allowance _____ (in)	<input type="radio"/> Code stamp (4.11.6) _____
16	_____ / _____ / _____	<input type="radio"/> Design/test _____ / _____ (psig)	<input type="radio"/> Other _____
17	<input type="checkbox"/> Water removal rate _____	<input type="radio"/> Other _____	<input type="radio"/> Other _____
18	<input type="checkbox"/> Mat'l of construction _____	<input type="radio"/> Other _____	<input type="radio"/> Other _____
19			
20	<b>Reservoir</b>	<input type="radio"/> Separate lube	<input type="radio"/> Lube/seal combined
21	Service application:	<input type="radio"/> Separate seal	
22	<input type="radio"/> Purch. Item no. _____	_____	_____
23	<input type="radio"/> Figures No. _____	_____	_____
24	<input type="radio"/> Include Options No. _____	_____	_____
25	<input type="radio"/> Heater steam/electric (4.3.7.2)	_____	_____
26	<input type="radio"/> Heater in sealed tube	<input type="checkbox"/>	<input type="checkbox"/>
27	<input type="radio"/> Material _____	_____	_____
28	<input type="radio"/> Normal flow (gpm) _____	_____	_____
29	<input type="radio"/> Free surface (ft²) _____	_____	_____
30	<input type="checkbox"/> Working capacity (gal) _____	_____	_____
31	<input type="checkbox"/> Retention capacity (gal) _____	_____	_____
32	<input type="checkbox"/> Rundown capacity (gal) _____	_____	_____
33	<input type="checkbox"/> Normal operating range (gpm) _____	_____	_____
34	<input type="checkbox"/> Charge capacity (gal) _____	_____	_____
35	<input type="radio"/> Insulation clips (4.3.8)	<input type="checkbox"/>	<input type="checkbox"/>
36	<input type="radio"/> Ladder with hand rail [4.3.12.1.a)]	<input type="checkbox"/>	<input type="checkbox"/>
37	<input type="radio"/> Handrails on top [4.3.12.1.b)]	<input type="checkbox"/>	<input type="checkbox"/>
38	<input type="radio"/> Non skid decking [4.3.12.1.c)]	<input type="checkbox"/>	<input type="checkbox"/>
39	<input type="radio"/> Flanged vent	<input type="checkbox"/>	<input type="checkbox"/>
40	<input type="radio"/> Oversized flanged vent	<input type="checkbox"/>	<input type="checkbox"/>
41	<input type="radio"/> Pressure relief device	_____	_____
42	<input type="radio"/> Siphon breaker	<input type="checkbox"/>	<input type="checkbox"/>
43	<input type="radio"/> Top mounted components permitted	<input type="checkbox"/>	<input type="checkbox"/>
44	<input type="checkbox"/> Top mounted components are: _____	_____	_____
45	<input type="checkbox"/> Submerged components & materials _____	_____	_____
46	<input type="checkbox"/> Dimension of tank L x W x H (ft) _____	_____	_____
47	<input type="radio"/> Separate connection for seal oil return line [4.3.5.1.h)]	_____	_____
48	<input type="radio"/> Connection for oil conditioner (4.3.10.1)	<input type="checkbox"/>	<input type="checkbox"/>

Figure A.1 — Datasheet special purpose oil systems — USC units (continued)

API 614/ISO 10438-2 DATASHEET SCOPE AND ATTACHMENTS USC UNITS		Job No.: _____		Item No.: _____		
		Page: 3 of 7		By: _____		
		Date: _____		Revision: _____		
1	APPLICABLE TO: <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As built					Rev
2	Supplier _____		Manufacturer _____			
3	Purchase Order No. _____ Date _____		Inquiry No. _____		Requisition No. _____	
4						
5	<b>Pumps and Drivers:</b>	<b>Lube</b>	<b>Lube / seal</b>		<b>Separate seal oil</b>	<b>Booster seal</b>
6	<input type="checkbox"/> Service application					
7	<input type="checkbox"/> Figures No.					
8	<input type="checkbox"/> Include options No.					
9	<input type="checkbox"/> Emergency pump system (4.4.3)	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
10	<b>Pump Service</b>	Main / stby	Emergency	Main / stby	Emergency	Main / standby
11	<input type="checkbox"/> Pump item no.					
12	<input type="checkbox"/> Pump type (4.4.1)					
13	<input type="checkbox"/> Pump data sheet					
14	<input type="checkbox"/> Horizontal or vertical (H or V)					
15	<input type="checkbox"/> Driver item no.					
16	<input type="checkbox"/> Turbine driver for					
17	<input type="checkbox"/> Turbine data sheet					
18	<input type="checkbox"/> Electric motor for (4.4.5)					
19	<input type="checkbox"/> Electric motor data sheet					
20	<input type="checkbox"/> Other driver					
21	<input type="checkbox"/> Other driver data sheet					
22	<input type="checkbox"/> Coupling type					
23	<input type="checkbox"/> Coupling guard type [4.4.27.c]					
24	<input type="checkbox"/> Booster pumps required					
25	<input type="checkbox"/> Booster suction protection					
26	<input type="checkbox"/> Solenoid trip valve					
27	<input type="checkbox"/> Rotary pump relief valve by					
28	purchaser / vendor					
29	<b>Filters:</b>					
30	<input type="checkbox"/> Service application :	<input type="checkbox"/> Lube	<input type="checkbox"/> Lube & seal	<input type="checkbox"/> Control	<input type="checkbox"/> Lube	<input type="checkbox"/> Lube & seal
31		<input type="checkbox"/> Lube	<input type="checkbox"/> Lube & seal	<input type="checkbox"/> Control	<input type="checkbox"/> Separate control oil	<input type="checkbox"/> Separate seal oil
32		<input type="checkbox"/> Lube	<input type="checkbox"/> Lube & seal	<input type="checkbox"/> Control	<input type="checkbox"/> Separate control oil	<input type="checkbox"/> Separate seal oil
33	<input type="checkbox"/> Purchaser item no.					
34	<input type="checkbox"/> Twin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35	<input type="checkbox"/> Second filter for control oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36	<input type="checkbox"/> Include option nos.					
37	<input type="checkbox"/> Filtration level (4.6.11)					
38	<input type="checkbox"/> Non-hydroscopic filter element [4.6.6.b]					
39	<input type="checkbox"/> Manufacturer [4.6.6.c]					
40	<input type="checkbox"/> Model					
41	<input type="checkbox"/> Design pressure (psig)					
42	<input type="checkbox"/> Test pressure (psig)					
43	<input type="checkbox"/> Code construction / Code stamp (4.1.17)	<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>
44	<input type="checkbox"/> Thermal protection of offline filter (4.6.2)					
45	<input type="checkbox"/> Manifoldd filter and cooler drains (4.6.3)					
46	<input type="checkbox"/> Filter vents routed to reservoir (4.6.4)					
47	Material: case & top					
48	Cartridges					
49	Furnish _____ extra sets of cartridges.	<input type="checkbox"/> per service		<input type="checkbox"/> per filter (extra over other spares)		
50						

Figure A.1 — Datasheet special purpose oil systems — USC units (continued)

API 614/ISO 10438-2 DATASHEET SCOPE AND ATTACHMENTS USC UNITS		Job No.: _____		Item No.: _____		
		Page: <u>4</u> of <u>7</u>		By: _____		
		Date: _____		Revision: _____		
1	APPLICABLE TO: <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As built					Rev
2	Supplier _____	Manufacturer _____				
3	Purchase Order No. _____ Date _____	Inquiry No. _____		Requisition No. _____		
4						
5	<b>Coolers:</b>					
6	<b>Service application</b>	<input type="radio"/> Lube	<input type="radio"/> Lube/seal	<input type="radio"/> Separate seal		
7	<input type="radio"/> Purch. Item Nos.					
8	<input type="radio"/> Twin units	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9	<input type="radio"/> Include option nos.					
10	<input type="radio"/> Water side suitable for steam heating (4.5.1.15)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11	<input type="radio"/> Details on data sheet					
12	<input type="checkbox"/> Water side corrosion allowance					
13	<input type="checkbox"/> Manufacturer					
14	<input type="checkbox"/> Model					
15	<input type="radio"/> TEMA class					
16	<input type="checkbox"/> Fouling factor water/oil side					
17	<input type="checkbox"/> Duty: (BTU/hr)					
18	<input type="checkbox"/> Tube: L/OD/BWG					
19	<input type="checkbox"/> Design / test pressure shell side (psig)					
20	<input type="checkbox"/> Design / test pressure tube side (psig)					
21	<input type="radio"/> Construction code / Code stamp (4.1.17)	<input type="radio"/> / <input type="radio"/>	<input type="radio"/> / <input type="radio"/>	<input type="radio"/> / <input type="radio"/>		
22	<input type="radio"/> Twinplate frame or air coolers required (4.5.1.3, 4.4.4.2)					
23	<input type="radio"/> Connections for purchaser's cooler (4.5.1.4)					
24	<input type="checkbox"/> Tube water flow rate (gpm)					
25	<input type="checkbox"/> Tube water velocity (fps)					
26	<input type="checkbox"/> Material : shell					
27	<input type="checkbox"/> Channels & covers					
28	<input type="checkbox"/> Tube sheets & tubes					
29	<input type="radio"/> Removable tube bundle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
30	<input type="radio"/> U-bend tubes permitted (4.5.2.6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
31	<input type="radio"/> Fabricated with flanged vent and drain nozzles (4.5.1.17)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
32	<input type="radio"/> Oil side vents piped to reservoir through F.I. (4.5.1.19)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
33	<input type="radio"/> Cooler drains manifolded with filter clean oil drains (4.5.1.18)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
34	<input type="radio"/> Oil temperature control valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
35	<input type="radio"/> 3 port valve with internal thermostat [4.5.1.13.b]]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
36	<input type="radio"/> Separate thermal relief valves, each cooler (4.5.1.6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
37	<b>Continuous flow transfer valve:</b>					
38	Service application	<input type="radio"/> Lube oil, <input type="radio"/> seal oil & <input type="checkbox"/> control oil	<input type="checkbox"/> Separate control oil	<input type="radio"/> Separate seal oil	<input type="radio"/> Booster pump discharge oil	<input type="radio"/> Separate coupling oil
39						
40						
41	<input type="radio"/> Common for coolers & filters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42	<input type="radio"/> Tight shut off required (4.7.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43	<input type="radio"/> Type					
44	<input type="checkbox"/> Manufacturer					
45	<input type="checkbox"/> Model					
46	<input type="checkbox"/> With lifting jack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
47	Rating : (psig)					
48	<input type="checkbox"/> Materials : body					
49	<input type="checkbox"/> Plug or ball					
50	<input type="checkbox"/> Trim					
51						

Figure A.1 — Datasheet special purpose oil systems — USC units (continued)

API 614/ISO 10438-2 DATASHEET SCOPE AND ATTACHMENTS USC UNITS		Job No.: _____		Item No.: _____		
		Page: <u>5</u> of <u>7</u>		By: _____		
		Date: _____		Revision: _____		
1	APPLICABLE TO: <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As Built					Rev
2	Supplier _____		Manufacturer _____			
3	Purchase Order No. _____		Date _____	Inquiry No. _____		Requisition No. _____
4						
5	<b>Accumulators:</b>					
6	<b>Service application</b>	<b>Lube oil</b>	<b>Control oil</b>	<b>Seal oil</b>	<b>Seal-oil booster</b>	
7	<input type="radio"/> Purchaser's item No.					
8	<input type="checkbox"/> Required, yes or no, and quantity					
9	<input type="checkbox"/> Service combined with					
10	<input type="checkbox"/> Direct contact type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	<input type="checkbox"/> Bladder type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12	<input type="radio"/> Include option nos.					
13	<input type="radio"/> Rundown time (min)					
14	<input type="radio"/> Oil temperature control (4.8.8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15	<input type="radio"/> Constant pressure regulator (4.8.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16	<input type="checkbox"/> Manufacturer					
17	<input type="checkbox"/> Model					
18	<input type="checkbox"/> Nominal / usable capacity (gal)					
19	<input type="radio"/> Material : Shell					
20	<input type="radio"/> Bladder					
21	<input type="radio"/> Design / test pressure (psig)					
22	<input type="checkbox"/> Construction code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
23	<input type="checkbox"/> Code stamp	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
24	Include:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
25	<input type="radio"/> charge pressure gauge:					
26	<input type="radio"/> manual charge valve (4.8.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
27	<input type="radio"/> gas supply regulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
28	<input type="radio"/> automatic vent and reset (4.8.10)					
29						
30	<b>Overhead tanks (Figures 2, B.17)</b>					
31	<b>Service application</b>	<b>Rundown lube</b>	<b>Low-pressure seal</b>	<b>Medium-pressure seal</b>	<b>High-pressure seal</b>	
32						
33	<input type="checkbox"/> Required, yes or no					
34	<input type="checkbox"/> Service combined with					
35	<input type="radio"/> Direct contact type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
36	<input type="radio"/> Bladder type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
37	<input type="radio"/> Includes options no.					
38	<input type="checkbox"/> Capacity (min)					
39	<input type="checkbox"/> Capacity (gal)					
40	<input type="radio"/> Blowdown connection					
41	<b>Rundown tanks (Figures B.15, B.16)(4.9.2.1)</b>					
42	<b>Overhead tanks (Figures 2, B.17)</b>					
43	<input type="radio"/> Corrosion allowance					
44	<input type="checkbox"/> Material					
45	<input type="checkbox"/> Total capacity (gal)					
46	<input type="checkbox"/> Design / test pressure (psig)					
47	<input type="radio"/> Additional coastdown time (min) (4.9.1.2)					
48	<input type="radio"/> Valved blowdown connection [4.9.1.4.f]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
49	<input type="radio"/> Code Construction (4.1.17, 4.9.1.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
50	<input type="radio"/> Code stamp (4.1.17, 4.9.1.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
51	<input type="radio"/> PMI testing (-1; 7.2.2.6.1)					

Figure A.1 — Datasheet special purpose oil systems — USC units (continued)

<b>API 614/ISO 10438-2 DATASHEET</b> <b>SCOPE AND ATTACHMENTS</b> <b>USC UNITS</b>					Job No.: _____ Page: <u>6</u> of <u>7</u> Date: _____	Item No.: _____ By: _____ Revision: _____
1	<b>APPLICABLE TO:</b> <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As built				Rev	
2	Supplier _____	Manufacturer _____				
3	Purchase Order No. _____	Date _____	Inquiry No. _____	Requisition No. _____		
4						
5	<b>Accumulator unit (Figures B.18, B.19)</b>	<b>Rundown lube</b>	<b>Low-pressure seal</b>	<b>Medium-pressure seal</b>	<b>High-pressure seal</b>	
6						
7	<input type="radio"/> Purchaser's item no.					
8	<input type="radio"/> Corrosion allowance (in)					
9	<input type="checkbox"/> Quantity					
10	<input type="checkbox"/> Manufacturer					
11	<input type="checkbox"/> Model					
12	<input type="checkbox"/> Material: shell					
13	<input type="checkbox"/> Bladder					
14	<input type="checkbox"/> Nominal / usable capacity (gal)					
15	<input type="checkbox"/> Design / test pressure (psig)					
16	<input type="radio"/> Construction code / Code stamp (4.1.17)	<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	
17	<b>Traps for inner seal oil: (oil seals)</b>					
18	Service application					
19	<input type="radio"/> Purchaser's item no.					
20	<input type="radio"/> Seal gas vent piping arrangement (4.10.4)					
21	<input type="radio"/> Drain piped to specified location (4.10.5)					
22	<input type="radio"/> each drain piped separately (4.10.6)					
23	<input type="radio"/> Float controlled		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
24	<input type="radio"/> Transmitter controlled		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
25	<input type="radio"/> Pots only, for manual drain		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
26	<input type="radio"/> with valving		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
27	<input type="radio"/> Flush level glass		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
28	<input type="radio"/> High level switch		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
29	<input type="radio"/> Include option nos.					
30	<input type="radio"/> Retention (hr) / (gal)					
31	<input type="radio"/> Construction code / Code stamp (4.1.17)		<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	
32	<b>Float traps</b>					
33	<input type="checkbox"/> Manufacturer					
34	<input type="checkbox"/> Model					
35	<input type="checkbox"/> Pressure rating (psig)					
36	<input type="checkbox"/> Materials: body					
37	<input type="checkbox"/> float / trim					
38	<input type="radio"/> Drain line piped to					
39	<input type="radio"/> Construction code / Code stamp (4.1.17)		<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	
40	<b>Drain pot</b>					
41	<input type="radio"/> Corrosion allowance					
42	<input type="checkbox"/> Material					
43	<input type="checkbox"/> Design / test pressure (psig)					
44	<input type="radio"/> Construction code (4.1.17)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
45	<input type="radio"/> Code stamp (4.1.17)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
46	<b>Mist eliminator</b>					
47	<input type="radio"/> Corrosion allowance (in)					
48	<input type="checkbox"/> Material: shell					
49	<input type="checkbox"/> Demisting mesh					
50	<input type="checkbox"/> Design / test pressure (psig)					
51	<input type="radio"/> Construction code / Code stamp (4.1.17)		<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	

Figure A.1 — Datasheet special purpose oil systems — USC units (continued)

<b>API 614/ISO 10438-2 DATASHEET</b> <b>SCOPE AND ATTACHMENTS</b> <b>USC UNITS</b>		Job No.: _____	Item No.: _____
		Page: <u>7 of 7</u>	By: _____
		Date: _____	Revision: _____
1	<b>APPLICABLE TO:</b> <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As built		
2	Supplier _____	Manufacturer _____	
3	Purchase Order No. _____	Date _____	Inquiry No. _____      Requisition No. _____
4			
5	<b>Shop inspection (API 614/10438-1; 7.1.1)</b>	Required	Witnessed
6	<input type="radio"/> Compliance with inspector's check list (-1; 7.1.2)	○	○
7	<input type="radio"/> Required for system assemblies	○	○
8	<input type="radio"/> Cleanliness prior to closure (-1; 7.2.3.2)	○	○
9	<input type="radio"/> Required for major components	○	○
10	<input type="radio"/> Material certification to be furnished	○	○
11	<input type="radio"/> Special examinations	○	○
12	<input type="radio"/> Construction code	○	○
13	<input type="radio"/> Code stamp	○	○
14	<input type="radio"/> Certified copies of all testlogs & data	○	○
15	<input type="radio"/> PMI testing (-1; 7.2.2.6.2)	○	○
16	<input type="radio"/> Hardness testing (-1; 7.2.2.3)	○	○
17	<input type="radio"/>		
18	<input type="radio"/>		
19	<b>Shop test (API 614/10438-1; 7.1.1)</b>	Required	Witnessed
20	<input type="radio"/> Cleanliness	○	○
21	<input type="radio"/> Four hour run	○	○
22	<input type="radio"/> Check controls	○	○
23	<input type="radio"/> Changeover filters/coolers	○	○
24	<input type="radio"/> One and two pump operation	○	○
25	<input type="radio"/> Sound level	○	○
26	<input type="radio"/> Hydro test assembled system	○	○
27	<input type="radio"/> Use during shop test of equipment (7.3.1.2)	○	○
28	<input type="radio"/> Use for complete unit system test (7.3.1.3)	○	○
29	<input type="radio"/> Certified copies of all test logs and data <input type="radio"/> submit prior to shipment (-1; 8.3.3.2)	○	○
30	<input type="radio"/> Demonstrate pump alignment by unbolting pump inlet and discharge piping (7.3.3.11)	○	○
31	<input type="radio"/>		
32	<input type="radio"/> Amount of advance notification required before a witnessed or observed inspection (-1; 7.1.2): _____ weeks.		
33	<input type="radio"/> Records or data to be kept by vendor for at least 20 years, in addition to the requirements of 10438-1, 7.2.1 [-1; 7.2.1.1.f)]		
34	<input type="radio"/> Surface and subsurface examination required (-1; 7.2.1.3). Examination type:		
35	<input type="radio"/> magnetic particle <input type="radio"/> liquid penetrant <input type="radio"/> radiographic <input type="radio"/> ultrasonic		
36	<input type="radio"/> One copy of manufacturer's standard instruction manual packed and shipped with equipment (-1; 7.4.7)		
37	<b>Remarks</b>		
38	_____		
39	_____		
40	_____		
41	_____		
42	_____		
43	_____		
44	_____		
45	_____		
46	_____		
47	_____		
48	_____		
49	_____		
50	_____		
51	_____		

Figure A.1 — Datasheet special purpose oil systems — USC units (continued)

**Part 3, Annex A, *Insert the following pages after page 3-23:***



<b>API 614/ISO 10438-3 DATASHEET</b> <b>SCOPE AND ATTACHMENTS</b> <b>USC units</b>		Job No.: _____ Page: <u>1</u> of <u>4</u> Date: _____	Item No.: _____ By: _____ Revision: _____	Rev
1	APPLICABLE TO: <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As Built			
2	For _____	Site _____		
3	Oil System for _____	Manufacturer _____		
4	Supplier _____	Inquiry No. _____		
5	Purchase Order No. _____	Date _____	Requisition No. _____	
6				
7	Explanations:    1. The party to complete the information is indicated as follows:			
8	<input type="radio"/> Purchaser <input type="checkbox"/> Vendor <input type="checkbox"/> Either, but by vendor if not by purchaser.			
9	2. An asterisk * specifies a requirement, value, or criterion.			
10	3. Designations in parenthesis ( ) are explained in the cited standard; numbers without a prefix are subclause			
11	numbers; those prefixed "T" are text figure numbers; those prefixed "A" are Annex "A" Figure numbers.			
12	4. For definition of general purpose basic system, see 4.1.			
13				
14	<b>Basic Design (4.1.1)</b> Class: <input type="radio"/> I <input type="radio"/> II <input type="radio"/> III    Code: _____			
15	Design goal for uninterrupted operation (mission time) of the equipment (4.2.2): _____ months			
16				
17	<b>Overall system typical schemas</b>	Figure No.	Option Nos.	Comment
18	<input type="radio"/> Basic oil supply module			
19	<input type="radio"/> Lube module at equipment			
20	<input type="radio"/> Drawing requirements		<input type="radio"/> Component review	
21	<b>Oil Requirements: See API 614/ISO 10438-1 Datasheet</b>			
22	<b>Baseplate/layout:</b> <input type="checkbox"/> Combined with equipment base			
23	<input type="radio"/> Grout hole/vent holes (4.3.6)	<input type="radio"/> Point support (4.3.7)		
24	<input type="radio"/> Epoxy grout/primer pre-coat	<input type="radio"/> _____ (ft) min. clearance for components (4.2.10)		
25	<input type="radio"/> Sloped decking required (4.3.3)	<input type="radio"/> Non-skid decking required (4.3.5)		
26	<b>Basic system details:</b>			
27	<input type="checkbox"/> Equipment coast-down time _____ minutes.	<input type="radio"/> Shop test conditions		
28	<input type="checkbox"/> Minimum start-up oil temperature _____ (°F)	<input type="radio"/> Field start-up/run-in conditions		
29	<input type="radio"/> Sound level _____ dB max. (4.2.5)	<input type="radio"/> Welding and special fabrication requirements		
30	<b>Special provisions necessary for back-up supply of lube oil (4.2.15):</b> <input type="checkbox"/> Standby pump <input type="checkbox"/> Rundown tank			
31	<b>Components:</b> <input type="radio"/> All steel external components (4.2.11)			
32	<b>Piping and Tubing:</b> <input type="radio"/> Additional special requirements, see			
33	<input type="checkbox"/> Tubing fitting - Mfg.: _____ Model: _____	<input type="radio"/> Utilities manifolded to common connections		
34	<input type="radio"/> Carbon steel slip-on flanges not allowed (ISO 10438-1, T 1-4)	<input type="radio"/> Air		
35	<input type="radio"/> Through studs required	<input type="radio"/> Cooling water		
36	<input type="radio"/> Heat tracing required by <input type="checkbox"/> Purch. <input type="checkbox"/> Vendor	<input type="radio"/> Instrument test valves required		
37	<input type="radio"/> Valve heads vented to reservoir	<input type="radio"/> Valved vents, drains and piping furnished to permit		
38	<input type="radio"/> Radiographic examination (5.1.3)	draining of idle components during operation (4.2.13)		
39	<b>Continuous flow transfer valves</b>			
40	<input type="radio"/> Tight shutoff required	<input type="checkbox"/> with lifting jack		
41	<input type="radio"/> Type	Rating: _____ (psig)		
42	<input type="radio"/> Spectacle blinds provided (4.8.4)	<input type="checkbox"/> Materials: body		
43	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Plug or ball		
44	<input type="checkbox"/> Model	<input type="checkbox"/> Trim		

**Figure A.1 — Datasheet — Scope and attachments — USC units**

<b>API 614/ISO 10438-3 DATASHEET</b> <b>SCOPE AND ATTACHMENTS</b> <b>USC units</b>		Job No.: _____ Page: <u>2 of 4</u> Date: <u>0-Jan-00</u>	Item No.: _____ By: <u>0</u> Revision: _____	Rev
1	Applicable to <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As built			
2	Supplier <u>0</u>	Manufacturer <u>0</u>		
3	Purchase Order No. <u>0</u>	Inquiry no. <u>0</u>		
4	Date _____	Requisition No. <u>0</u>		
5				
6	<b>Oil conditioners:</b> (if required)			
7	<input type="radio"/> Purchaser's item no. _____	<input type="checkbox"/> <b>Driver for</b> _____		
8	<input type="radio"/> Type _____	<input type="checkbox"/> (HP) and enclosure _____		
9	<input type="radio"/> Portable or mounted on _____	<input type="checkbox"/> Volts/PH/Hz _____		
10	<input type="checkbox"/> Rated _____ (gpm) of oil	<input type="checkbox"/> _____ / _____ / _____		
11	<input type="checkbox"/> Manufacturer _____	<input type="checkbox"/> <b>Water removal rate</b> _____		
12	<input type="checkbox"/> Model _____	<input type="checkbox"/> Material of construction _____		
13	<b>Reservoir (4.4)</b>			
14	<input type="radio"/> Figures no. _____			
15	<input type="radio"/> Include options no. _____			
16	<input type="radio"/> Electric heater (4.4.7) <input type="radio"/> Removable during operation [4.4.7.c]			
17	<input type="radio"/> Special heater sizing [4.4.7.b]			
18	<input type="radio"/> Oil level glass [4.4.5.d]			
19	<input type="radio"/> Low level alarm (4.4.6.1)			
20	<input type="radio"/> 50-mm fill opening [4.4.5.f]			
21	<input type="radio"/> Sloped bottom with low point drain (4.4.4.2)			
22	<input type="radio"/> Free surface - _____ (ft <sup>2</sup> )			
23	<input type="checkbox"/> Working capacity _____ (min/gal)			
24	<input type="checkbox"/> Retention capacity _____ (min/gal)			
25	<input type="checkbox"/> <b>Rundown capacity</b> _____			
26	<input type="checkbox"/> <b>Normal operating range</b> _____			
27	<input type="checkbox"/> <b>Charge capacity</b> _____			
28	<input type="radio"/> Insulation clips (4.4.8)			
29	<input type="radio"/> Ladder with handrail (4.4.10.1)			
30				
31	<input type="radio"/> Handrails on top (4.4.10.2)			
32	<input type="radio"/> Non-skid decking (4.4.10.3)			
33	<input type="radio"/> Flanged vent			
34	<input type="radio"/> Flanged drain connection (4.4.4.3)			
35	<input type="radio"/> Extra connection (4.4.9)			
36	<input type="radio"/> Siphon breaker			
37	<input type="radio"/> Top mounted components permitted			
38	<input type="checkbox"/> <b>Top mounted components are:</b> _____			
39				
40	<input type="checkbox"/> <b>Submerged components and materials</b>			
41	<input type="checkbox"/> <b>Dimensions of tank L x W x H</b> _____ / _____ / _____ (ft)			
42				
43				
44				
45				
46				

1) Applicable part(s) of IEC 60034.

Figure A.1 — Datasheet — Scope and attachments — USC units (continued)

API 614/ISO 10438-3 DATASHEET SCOPE AND ATTACHMENTS USC units		Job No.: _____	Item No.: _____
		Page: 3 of 4	By: 0
		Date: 0-Jan-00	Revision: _____
			Rev
1	Applicable to <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As Built		
2	Supplier 0 _____	Manufacturer 0 _____	
3	Purchase Order No. 0 _____	Inquiry no. 0 _____	
4	Date _____	Requisition No. 0 _____	
5			
6	<b>Filters:</b>		
7	<input type="radio"/> Purchaser item no. _____	<input type="radio"/> Cartridges make/model [4.7.7.m] _____	
8	<input type="radio"/> Duplex (4.7.1) <input type="radio"/> Single [4.7.1.a] _____	<input type="radio"/> Thermal relief valves (4.7.3) _____	
9	<input type="radio"/> 10 Micron filtration level (4.7.1) _____	<input type="radio"/> Non-hydroscopic elements [4.7.7.l] _____	
10	<input type="checkbox"/> Manufacturer/Model _____	Furnish 0 extra sets of cartridges.	
11	<input type="checkbox"/> Design/test (psig) _____ / _____	<input type="radio"/> Per filter (extra over other spares).	
12	<input type="checkbox"/> Material: case and top _____	<input type="radio"/> Code construction/stamp (4.2.14) <input type="checkbox"/> / <input type="checkbox"/>	
13	<input type="radio"/> Filter drains manifolded with cooler drains (4.7.4)	<input type="radio"/> Vents piped to reservoir (4.7.5), <input type="radio"/> with flow indicators (4.7.6)	
14	<b>Lube oil rundown tanks:</b>		
15	<input type="radio"/> Required (4.9.1)	<input type="checkbox"/> Capacity (gal) _____	
16	<input type="radio"/> Purchaser item no. _____	Material (4.9.1) _____	
17	Time at flow rate (min) _____	Design/test pressure (psig) _____ / _____	
18	<input type="radio"/> Code construction/stamp (4.2.14, 4.9.4) <input type="checkbox"/> / <input type="checkbox"/>		
19	<b>Coolers:</b> <input type="checkbox"/> None required (4.6.1.1) <input type="checkbox"/> Single <input type="checkbox"/> Connections only for off-base cooler [4.6.1.2.b]		
20	<b>Type:</b> <input type="radio"/> Shell and tube <input type="radio"/> Fin fan [4.6.1.2.a] <input type="radio"/> Plate frame [4.6.1.2.a] <input type="radio"/> Flanged vent & drain nozzles (4.6.1.8)		
21	<input type="radio"/> Refer to specification <input type="radio"/> Supplier std. <input type="radio"/> Special sizing criteria [4.6.1.2.f] <input type="radio"/> Vents piped to reservoir (4.6.1.10)		
22	<input type="radio"/> Suitable for use with 150° C (300° F) coolant (4.6.1.6) <input type="radio"/> Cooler drains manifolded with filter clean oil drains (4.6.1.9)		
23	<input type="radio"/> Purchaser item no(s) _____	<input type="checkbox"/> Duty: (BTU/hr) _____	
24	<input type="radio"/> Twin units (4.6.1)	<input type="checkbox"/> Manufacturer / Model _____	
25	<input type="radio"/> Details on data sheet		
26	<b>Shell and tube:</b>		
27	<input type="radio"/> Water side for steam heating	<input type="checkbox"/> Design/test shell side (psig) _____	
28	<input type="checkbox"/> Water side corrosion allowance _____	<input type="checkbox"/> Design/test tube side (psig) _____	
29	<input type="radio"/> TEMA class _____	<input type="radio"/> Code construction/stamp (1.2.17) <input type="radio"/> / <input type="radio"/>	
30	<input type="checkbox"/> Fouling factor water/oil side _____	<input type="checkbox"/> Tube water velocity and capacity (fps) _____ / _____ (gal)	
31	<input type="checkbox"/> Tube: L/OD/BWG _____	<input type="checkbox"/> Material: shell (4.6.2.4) _____	
32	<input type="radio"/> Thermal relief valve [4.6.1.2.e]	<input type="checkbox"/> Channels and covers (4.6.2.4) _____	
33	<input type="radio"/> Oil temperature control valve with bypass line (4.6.1.4):	<input type="checkbox"/> Tube sheets and tubes (4.6.2.4) _____	
34	<input type="radio"/> Flanged, pneumatically operated [4.6.1.4.b]	<input type="radio"/> Oil side operating pressure less than water side [4.6.9.2.1.c]	
35	<input type="radio"/> Manual override (4.6.1.6)	<input type="radio"/> Removable bundle (4.6.2.1)	
36	<b>Air Cooled Heat Exchangers:</b>		
37	<input type="radio"/> Dual fans [4.6.4.2.a]	<input type="radio"/> Stainless steel plate header boxes [4.6.4.2.c]	
38	<input type="radio"/> Austenitic stainless steel tubes [4.6.4.2.b]	<input type="radio"/> High vibration alarm for each fan [4.6.4.2.e]	
39	<b>Continuous flow transfer valves (4.8)</b>		
40	<input type="checkbox"/> Manufacturer _____ <input type="checkbox"/> Model _____	<input type="checkbox"/> Rating: (psig) _____	
41	<input type="radio"/> Type _____	Materials: <input type="checkbox"/> Body <input type="checkbox"/> Plug or ball <input type="checkbox"/> Trim	
42	<input type="radio"/> Separate for coolers and filters (4.8.1)	<input type="radio"/> Spectacle blinds (4.8.4)	

Figure A.1 — Datasheet — Scope and attachments — USC units (continued)

API 614/ISO 10438-3 DATA SHEET SCOPE AND ATTACHMENTS USC units		Job No.:	Item No.:	Rev
		Page: 4 of 4	By: 0	
		Date: 0-Jan-1900	Revision:	
1	Applicable to <input type="checkbox"/> Proposal <input type="checkbox"/> Purchase <input type="checkbox"/> As built			
2	Supplier 0	Manufacturer 0		
3	Purchase Order No. 0	Inquiry no. 0		
4	Date	Requisition No. 0		
5				
6	<b>Alarms and Shutdowns:</b>	Alarm	Shutdown	
7	Condition			
8	Low oil pressure			
9	Low level for each oil reservoir			
10	Low level for each lube-oil rundown tank			
11	Pump running for each stand-by pump			
12	High differential pressure for each oil filter set			
13	<input type="radio"/> Requirements of API 614/ISO 10438-1, 6.2.1.1 apply (6.3)			
14				
15	<b>Shop inspection:</b>	<b>Shop test</b>		
16	<input type="radio"/> Compliance with inspector's checklist (7.1)		Required	Witness
17	<input type="radio"/> Required for system assemblies	<input type="radio"/> Cleanliness	<input type="checkbox"/>	<input type="checkbox"/>
18	<input type="radio"/> Cleanliness prior to closure	<input type="radio"/> Used during shop test (7.3.1.2)	<input type="checkbox"/>	<input type="checkbox"/>
19	<input type="radio"/> Required for major components	<input type="radio"/> Check controls	<input type="checkbox"/>	<input type="checkbox"/>
20	<input type="radio"/> Material certifications to be furnished	<input type="radio"/> Changeover filters/coolers	<input type="checkbox"/>	<input type="checkbox"/>
21	<input type="radio"/> Special examinations	<input type="radio"/> One and two pump operation	<input type="checkbox"/>	<input type="checkbox"/>
22	<input type="radio"/> Code construction/stamp <input type="checkbox"/> / <input type="checkbox"/>	<input type="radio"/> Sound level	<input type="checkbox"/>	<input type="checkbox"/>
23	<input type="radio"/> Certified copies of all test logs and data	<input type="radio"/> Hydro test assembled system	<input type="checkbox"/>	<input type="checkbox"/>
24	<input type="radio"/> Check pipe strain (7.3.1.4)	<input type="radio"/> Used for complete-unit test (7.3.1.3)	<input type="checkbox"/>	<input type="checkbox"/>
25	<input type="radio"/> Pipe radiography (5.1.3)	<input type="radio"/> Certified copies of all test logs and data	<input type="checkbox"/>	<input type="checkbox"/>
26		<input type="radio"/> Sound level recorded during test	<input type="checkbox"/>	<input type="checkbox"/>
27	<b>Vendor's Data:</b>			
28	<input type="radio"/> Coordination meeting to be held within 4-6 weeks after ordercommitment (8.1)			
29				
30	<b>Comments:</b>			
31	_____			
32	_____			
33	_____			
34	_____			
35	_____			
36	_____			
37	_____			
38	_____			
39	_____			
40	_____			
41	_____			
42	_____			
43	_____			
44	_____			
45	_____			

Figure A.1 — Datasheet — Scope and attachments — USC units (continued)

**Part 4, Annex A, *Insert the following pages after page 4-9:***

API 614/ISO 10438-4 DATASHEET SCOPE AND ATTACHMENTS USC units		Job No.: _____	Item No.: _____
		Page: 1 of 3	By: _____
		Date: _____	Revision: _____
			Rev
1	APPLICABLE TO: <input type="checkbox"/> PROPOSAL <input type="checkbox"/> PURCHASE <input type="checkbox"/> AS BUILT		
2	For _____ Site _____		
3	Seal gas module for _____		
4	Module Supplier _____ Module Manufacturer _____		
5	Purchase Order No. _____ Date _____ Inquiry No. _____ Requisition No. _____		
6			
7	<b>Explanations:</b> 1. The party to complete the information is indicated as follows:		
8	<input type="radio"/> Purchaser <input type="checkbox"/> Vendor <input type="checkbox"/> Either, but by vendor if not by purchaser.		
9	2. An asterisk * specifies a requirement, value, or criterion.		
10	3. Designations in parenthesis ( ) are explained in the cited standard; numbers without a prefix are subclause		
11	numbers; those prefixed "T" are text figure numbers; those prefixed "B" are Annex "B" Figure numbers.		
12			
13	<input type="radio"/> Drawing Requirements	<input type="radio"/> Component Review	
14	<b>System responsibility (4.2.2):</b>		
15	<input type="radio"/> Vendor responsible for	<input type="radio"/> Vendor responsible for	<input type="radio"/> Vendor responsible for
16	system design	installation	scope of supply
17	<b>Supply arrangement:</b>		
18	<input type="radio"/> Separate modules for each casing	<input type="radio"/> Combined module for train	
19	<input type="radio"/> Module mounted on compressor baseplate		
20	<b>Basic system details:</b>		
21	<b>Dry gas seal specifics:</b>		
22	<input type="radio"/> Double (Figure B.1)	<input type="radio"/> Tandem with intermediate laby (Figure B.2)	<input type="radio"/> Tandem (Figure B.3)
23	<input type="radio"/> Seal manufacturer _____	<input type="radio"/> Seal model _____	<input type="radio"/> Seal serial no. _____
24			
25	<b>Seal gas conditions (4.2.3):</b>	Primary	Secondary
26	<input type="radio"/> Supply pressure (psig)	_____	_____
27	<input type="radio"/> Supply temperature (°F)	_____	_____
28	<input type="checkbox"/> Flow rate SCFM (14.7 psia & 60°F dry)	_____	_____
29	<input type="radio"/> Description of gas	_____	_____
30	<input type="radio"/> Seal gas hazardous (yes/no)	_____	_____
31	<input type="radio"/> Seal gas composition refer to _____		
32	<input type="radio"/> Seal gas composition:	<u>Gas</u>	<u>Mol. Pct.</u>
33		_____	_____
34		_____	_____
35		_____	_____
36		_____	_____
37		_____	_____
38		MW =	_____
39	<input type="checkbox"/> Special provisions for back-up supply are necessary (4.2.14)		
40	<b>Options:</b>		
41	<b>Basics (6.2.2)</b>	<b>Outlet modules</b>	
42	<input type="radio"/> Seal gas filter module (Figure B.5)	<input type="radio"/> Flow monitoring - diff press (Figure B.15)	
43	<input type="radio"/> Separation gas module (Figure B.18)	<input type="radio"/> Flow monitoring - backpressure (Figure B.16)	
44	<input type="radio"/> Differential pressure control (Figure B.8)	<input type="radio"/> Flow measuring (Figure B.17)	
45	<input type="radio"/> Flow control (Figures B.9, B.10, B.11)	<b>Separation gas modules</b>	
46	<b>For Figure B.2 (tandem with intermediate labyrinth)</b>	<input type="radio"/> Option (Figures B.19, B.20)	
47	<input type="radio"/> Differential pressure control (Figure B.12)		
48	<input type="radio"/> Flow control (Figures B.13, B.14)		
49			
50	<b>Miscellaneous</b>		
51	<input type="radio"/> Material _____	<input type="radio"/> Turbine flow transmitters required (6.3.1.2)	
52	<input type="radio"/> Double block & bleed (4.2.11)	<input type="radio"/> Special requirements _____	
53	<input type="radio"/> Instrument test valves required	<input type="radio"/> Seal gas flow measurement by electronic device (6.3.1.4)	

**Figure A.1 — Datasheet — Dry-gas-seal module — USC units**

<b>API 614/ISO 10438-4 DATASHEET</b> <b>SCOPE AND ATTACHMENTS</b> <b>USC units</b>			Job Job No.: _____	Item No.: _____
			Pag Page: <u>2</u> of <u>3</u>	By: _____
			Date Date: _____	Revision: _____
1	APPLICABLE TO: <input type="checkbox"/> PROPOSAL <input type="checkbox"/> PURCHASE <input type="checkbox"/> AS BUILT	Rev		
2	Supplier _____ Manufacturer _____			
3	Purchase Order No. _____ Date _____ Inquiry No. _____ Requisition No. _____			
4				
5	<b>Components:</b>			
6	<b>Piping &amp; tubing:</b>			
7	<input type="radio"/> Tight shut off required <input type="radio"/> Carbon steel slip on flanges <input type="radio"/> Through studs			
8	<input type="radio"/> Tube fittings:    Manufacturer _____ Model _____			
9	<input type="radio"/> Heat tracing <input type="checkbox"/> by purchaser <input type="checkbox"/> by Supplier			
10	<b>Continuous flow transfer valves:</b>			
11	Service application	Seal gas	Separation gas	Service application
12	<input type="radio"/> Tight shut off required	<input type="checkbox"/> _____	<input type="checkbox"/> _____	Purchaser item no
13	<input type="radio"/> Type	_____	_____	<input type="radio"/> Twin
14	<input type="radio"/> Manufacturer	_____	_____	<input type="radio"/> Option nos
15	<input type="radio"/> Pressure rating (psig)	_____	_____	<input type="radio"/> Filtration level
16	<input type="radio"/> Strainer required	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="radio"/> Manufacturer
17	<input type="radio"/> Lifting jack required	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="radio"/> Model
18	<input type="radio"/> Body material	_____	_____	<input type="radio"/> Design (psig)
19	<input type="radio"/> Plug / ball material	_____	_____	<input type="radio"/> Test (psig)
20	<input type="radio"/> Trim material	_____	_____	<input type="radio"/> Code construction
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
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41				
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43				
44				
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46				
47				
48				

Figure A.1 — Datasheet — Dry-gas-seal module — USC units (continued)

<b>API 614/ISO 10438-4 DATASHEET</b> <b>SCOPE AND ATTACHMENTS</b> <b>USC units</b>			Job No.: _____	Item No.: _____
			Page: <u>3 of 3</u>	By: _____
			Date: _____	Revision: _____
1	APPLICABLE TO: <input type="checkbox"/> PROPOSAL <input type="checkbox"/> PURCHASE <input type="checkbox"/> AS BUILT			Rev
2	Supplier _____		Manufacturer _____	
3	Purchase Order No. _____ Date _____		Inquiry No. _____ Requisition No. _____	
4				
5	<b>Alarms and Shutdowns (6.2.1)</b>			
6	Condition	Alarm	Shutdown	
7	Low seal-gas differential pressure			
8	Low seal-gas flow			
9	Low barrier-gas differential pressure			
10	Low barrier-gas flow			
11	Low buffer-gas differential pressure			
12	Low buffer-gas flow			
13	Low separation-gas differential pressure			
14	Low separation-gas flow			
15	High primary vent pressure			
16	High primary vent flow			
17	High seal-gas filter differential pressure			
18	High buffer-gas filter differential pressure			
19	High separation-gas filter differential pressure			
20				
21				
22				
23				
24				
25				
26	<b>Shop Inspection:</b>		<b>Shop test:</b>	
27	<input type="radio"/> Compliance with inspector's checklist (7.1.2)			
28	<input type="radio"/> Required for system assemblies		Required	Witnessed
29	<input type="radio"/> Cleanliness prior to closure		<input type="checkbox"/>	<input type="checkbox"/>
30	<input type="radio"/> Required for major components		<input type="checkbox"/>	<input type="checkbox"/>
31	<input type="radio"/> Material certification to be furnished		<input type="checkbox"/>	<input type="checkbox"/>
32	<input type="radio"/> Special examinations		<input type="checkbox"/>	<input type="checkbox"/>
33	<input type="radio"/> Certified test logs required		<input type="checkbox"/>	<input type="checkbox"/>
34				
35				
36				
37				
38	<b>Remarks:</b>			
39	_____			
40	_____			
41	_____			
42	_____			
43	_____			
44	_____			
45	_____			
46	_____			
47	_____			
48	_____			
49	_____			
50	_____			
51	_____			

Figure A.1 — Datasheet — Dry-gas-seal module — USC units (continued)



<b>API 614/ISO 10438-4 DATASHEET</b> <b>SCOPE AND ATTACHMENTS</b> <b>USC units</b>		Job No.: _____	Item No.: _____
		Page: <u>1</u> of <u>1</u>	By: _____
		Date: _____	Revision: _____
			Rev
1	APPLICABLE TO: <input type="checkbox"/> PROPOSAL <input type="checkbox"/> PURCHASE <input type="checkbox"/> AS BUILT		
2	Gas seal supplier _____ Equipment Manufacturer _____		
3	Purchase Order No. _____ Date _____ Inquiry No. _____ Requisition No. _____		
4			
5	<b>Dry gas seal design</b>		
6	Rotational speed: _____ max. rpm _____		
7	<input type="radio"/> Application: <input type="checkbox"/> new <input type="checkbox"/> retrofit    Vendor drawing No. _____		
8	<input checked="" type="checkbox"/> Rotation viewed from driver end: <input type="checkbox"/> clockwise <input type="checkbox"/> counterclockwise		
9	<input type="radio"/> Vent gauge pressure: normal/max: _____ / _____ (psig)		
10	<input type="radio"/> Equipment suction gauge pressure (min/max): _____ / _____ (psig)		
11	<input type="radio"/> Maximum sealing gauge pressure (4.2.7): _____ (psig)		
12	<input type="radio"/> Settle out gauge pressure: _____ (psig)		
13	<input type="radio"/> Seal maximum working gauge pressure: _____ (psig)		
14	<input type="radio"/> Equipment discharge temperature: _____ (°F)		
15	<input type="radio"/> Process relief valve setting: _____ (psig)		
16			
17	<b>Leakage rates:</b>		
18		normal operation	static
19	Primary vent:	_____	_____
20	Secondary vent:	_____	_____
21	Secondary vent for intermediate labyrinth:	_____	_____
22			
23	<b>Comments:</b>		
24	_____		
25	_____		
26	_____		
27	_____		
28	_____		
29	_____		
30	_____		

**Figure A.2 — Application data for dry-gas-seal module — USC units**

