

QUANTITY _____	NEXT LEVEL	BILL OF MATERIAL	SH 1 OF 1
ORD NO. <u>294100</u>			
JOB NAME <u>IAG Sandridge</u>	PARENT NO. <u>29410018000</u>	REV _____	
ENG J SMITH DATE 6/17/2009	PC DATE	DESCRIPTION <u>1 LOT OF SHIP LOOSE INSTRUMENTAION AND VALVES</u>	

OWU	SEQ	COMPONENT NO.	QUAN	DESCRIPTION	MATL	REV	CHANGE	ENGINEERING REMARKS
9000	1	659D2149G01	1	SYSTEM SHIP LOOSE PARTS				
9000	2	569D2540G02	1	SHIP LOOSE ITEMS				
9000	3	569C1621G01	1	24" INTERCONNECTING PIPING FLOW ELEMENT SPOOL				
9000	4	569C1622G01	1	16" INTERCONNECTING PIPING FLOW ELEMENT SPOOL				
9000	5	569C1623G01	1	12" INTERCONNECTING PIPING FLOW ELEMENT SPOOL				
9000	6	959A0054H20	3	GASKET; 24"-150# FLG	3300			
9000	7	959A0054H17	3	GASKET; 16"-150# FLG	3300			
9000	8	959A0054H15	3	GASKET; 12"-150# FLG	3300			
9000	9	29410052P71	1	COMPONENT TAGS; ROST BROS.				TAGS-18000

QUANTITY	_____	NEXT LEVEL	BILL OF MATERIAL	SH 1 OF 4
ORD NO.	294100			
JOB NAME	IAG Sandridge	PARENT NO.		
ENG J SMITH	PC	DESCRIPTION	SYSTEM SHIP LOOSE PARTS	
DATE 6/17/2009	DATE			

OWU	SEQ	COMPONENT NO.	QUAN	DESCRIPTION	MATL	REV	CHANGE	ENGINEERING REMARKS
9000	1	29410052P32	1	VALVE, CONTROL; 8" X 6" 150# RF; FISHER; MODEL NUMBER: 585C-EWT	WCC STEEL			FV-1231A1
9000	2	29410052P35	1	VALVE, CONTROL; 3" 150# RF; FISHER; MODEL NUMBER: 657 ET	WCC STEEL			FV-1231A2
9000	3	29410052P30	1	VALVE, CONTROL; 6" X 4" 150# RF; FISHER; MODEL NUMBER: 657 EWT	WCC STEEL			FV-1231A3
9000	4		1					
9000	5	29410052P45	1	DESUPERHEATER, LIQUID GAS MIXER; 12" RF 150#; KOMAX SYSTEMS INC.; MODEL NUMBER: GLC-55789	CS			LIN-101
9000	6	29410052P46	1	DESUPERHEATER, LIQUID GAS MIXER; 16" RF 150#; KOMAX SYSTEMS INC.; MODEL NUMBER: GLC-55790	CS			LIN-102
9000	7	29410052P47	1	DESUPERHEATER, LIQUID GAS MIXER; 6" RF 150#; KOMAX SYSTEMS INC.; MODEL NUMBER: GLC-55791	CS			LIN-103
9000	8		1					
9000	9	29410052P33	1	VALVE, CONTROL; 24" 150# RF; FISHER; MODEL NUMBER: B5113-02-S02-11	WCC STEEL			PV-1231A1
9000	10	29410052P36	1	VALVE, CONTROL; 12" 150# RF; FISHER; MODEL NUMBER: B5113-02-S02-11	WCC STEEL			PV-1231A2
9000	11	29410052P37	1	VALVE, CONTROL; 16" 150# RF; FISHER; MODEL NUMBER: B5113-02-S02-11	WCC STEEL			PV-1231A3
9000	12		1					
9000	13	29410023P20	2	TRANSMITTER, TEMPERATURE / RTD 100 OHM; Rosemount				TT-1231A4; TT-1231A5
9000	14	29410023P15	1	TRANSMITTER, TEMPERATURE, RTD 100 OHM; Rosemount				TT-1231A6
9000	15		1					

QUANTITY	_____	NEXT LEVEL	BILL OF MATERIAL	SH 2 OF 4
ORD NO.	294100			
JOB NAME	IAG Sandridge	PARENT NO.	659D2149G01	REV B
ENG J SMITH	PC	DESCRIPTION	SYSTEM SHIP LOOSE PARTS	
DATE 6/17/2009	DATE			

OWU	SEQ	COMPONENT NO.	QUAN	DESCRIPTION	MATL	REV	CHANGE	ENGINEERING REMARKS
9000	16	29410052P29	1	VALVE, CONTROL; 1" 150# RF; FISHER; MODEL NUMBER: 667 ET	WCC STEEL			TV-1231A4
9000	17	29410052P31	1	VALVE, CONTROL; 1 1/2" 150# RF; FISHER; MODEL NUMBER: 667 ET	WCC STEEL			TV-1231A5
9000	18	29410052P34	1	VALVE, CONTROL; 1" 150# RF; FISHER; MODEL NUMBER: 667 EZ	WCC STEEL			TV-1231A6
9000	19		1					
9000	20	29410052P28	1	VALVE, AUTO ISOLATION; 1 1/2" 150# RF; SHARPE; MODEL NUMBER: SERIES 50	CS			XV-1231A2
9000	21	29410052P38	1	VALVE, AUTO ISOLATION; 2 1/2" 150# RF; SHARPE; MODEL NUMBER: SERIES 50	CS			XV-1231A3
9000	22	29410052P39	1	VALVE, AUTO ISOLATION; 1" 150# RF; SHARPE; MODEL NUMBER: SERIES 50	CS			XV-1231A4
9000	23		1					
9000	24	993A0004H02	1	PAINT, AMERLOCK 400; 2 GALLON KIT; AMERON	MEDIUM GRAY	A	Add	, FOR PAINTING LIQUID GAS MIXERS
9000	25	993A0011H02	1	PAINT, AMERCOAT 450H; 2 GALLON KIT; AMERON	MEDIUM GRAY	A	Add	
9000	26	999Q0580177	1	THINNER, PAINT; 1 GALLON		A	Add	
9000	27	999Q0580167	1	ACCELERATOR; 1/2 PINT		A	Add	
9000	28	993A0014H01	1	ACCELERATOR; 1/2 PINT		A	Add	
9000	29		1					
9000	30	540A0194G01	3	EVACUATION AND CHARGE KIT		B	Add	
9000	31	569C0694G18	2	SEALING DISK KIT; 6"-150#; FRICK		B	Add	
9000	32	569C0694G21	2	SEALING DISK KIT; 12"-150#; FRICK		B	Add	
9000	33	569C0694G12	1	SEALING DISK KIT; 2"-150#; FRICK		B	Add	
9000	34	569C0694G09	1	SEALING DISK KIT; 1"-150#; FRICK		B	Add	
9000	35	569C0694G14	1	SEALING DISK KIT; 3"-150#; FRICK		B	Add	

QUANTITY _____	NEXT LEVEL	BILL OF MATERIAL	SH 3 OF 4
ORD NO. <u>294100</u>			
JOB NAME <u>IAG Sandridge</u>	PARENT NO. <u>659D2149G01</u>	REV <u>B</u>	
ENG J SMITH	PC	DESCRIPTION <u>SYSTEM SHIP LOOSE PARTS</u>	
DATE 6/17/2009	DATE		

OWU	SEQ	COMPONENT NO.	QUAN	DESCRIPTION	MATL	REV	CHANGE	ENGINEERING REMARKS
9000	36	569C0747G05	2	SEALING DISK KIT; 16" - #150		B	Add	

Bill of Materials Revision Information

ORDER NO 294100

PARENT NO. 659D2149G01

SH 4 OF 4

REV	DESCRIPTION	REV DATE	ENGINEER
A	ADDED SEQ. NO. 24 THRU 28 TO PAINT LIQUID GAS MIXERS	1/29/2010	JES
B	ADDED SEQ# 30 THRU 36	2/3/2010	JES

QUANTITY	_____	NEXT LEVEL	BILL OF MATERIAL	SH 1 OF 2
ORD NO.	294100			
JOB NAME	IAG Sandridge	PARENT NO.	569D2540G02	REV A
ENG J SMITH	PC	DESCRIPTION	SHIP LOOSE ITEMS	
DATE 5/19/2009	DATE			

OWU	SEQ	COMPONENT NO.	QUAN	DESCRIPTION	MATL	REV	CHANGE	ENGINEERING REMARKS
9000	1	531A0218H02	4	ELEMENT, OIL FILTER; 6" OD X 14 1/2" LG; NORTH AMERICAN FILTER CORP.				
9000	2	959A0082H01	4	GASKET, COVER PLATE; 9 3/4 OD x 1/16 THK	MSR-4			
9000	3	959A0053H01	4	GASKET, CLAMPING PLATE; 7 13/16 OX x 1/8 THK	MSR-4			
9000	4	29410052P03	1	LOT, OIL CHARGE				C-1231 OIL, QTY OF (1) - 55 GALLON DRUMS
9000	5	911A0064H01	1	COMPOUND, SEALING; CROUSE-HINDS				
9000	6	111Q0831807	1	COMPOUND, HEAT CONDUCTIVE; HONEYWELL ALUMINUM OXIDE				
9000	7	569D2540R08	1	MISCELLANEOUS COMPRESSOR PARTS		A	Add	CONSISTING OF:
9000	8	064-14230A	4	GUIDE ROD		A	Add	
9000	9	064-05660	1	PIN; 3/8 x 2 1/2; YORK INTERNATIONAL; MODEL NUMBER: FOR 38 COMPRESSOR	CS	A	Add	
9000	10	076-46261B	1	SLEEVE, SHAFT, PROTECTIVE; YORK INTERNATIONAL		A	Add	
9000	11	076-46260A	1	MANDREL; YORK INTERNATIONAL		A	Add	
9000	12	076-46276B	1	PROTECTIVE SLEEVE		A	Add	
9000	13	076-46275A	1	MANDREL; YORK INTERNATIONAL	CS	A	Add	

Bill of Materials Revision Information

ORDER NO 294100

PARENT NO. 569D2540G02

SH 2 OF 2

REV	DESCRIPTION	REV DATE	ENGINEER
A	ADDED SEQ NO'S 7 THRU 13	1/29/2010	JES