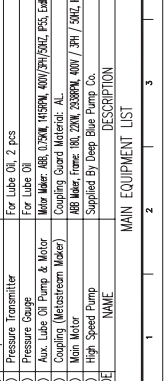
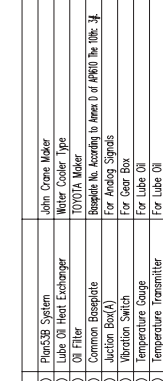
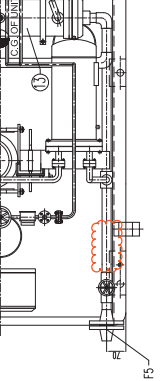
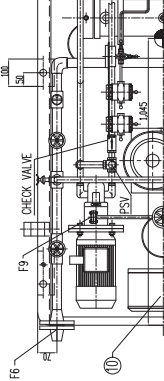
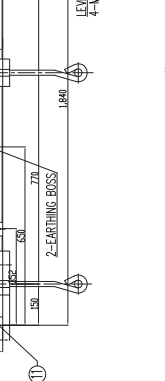
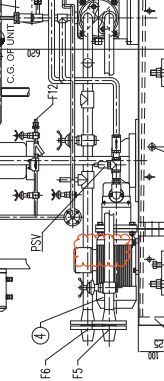
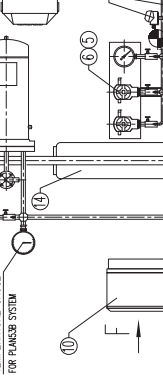
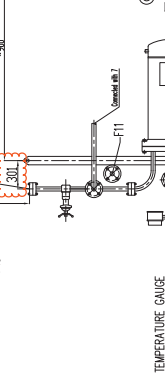
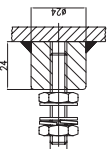
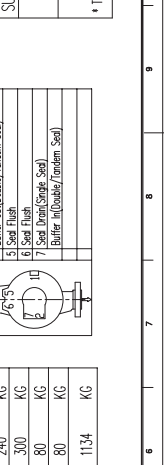
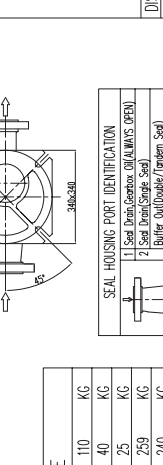
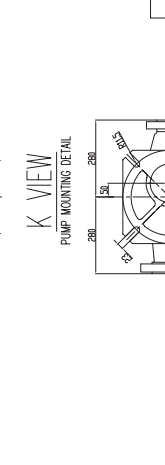
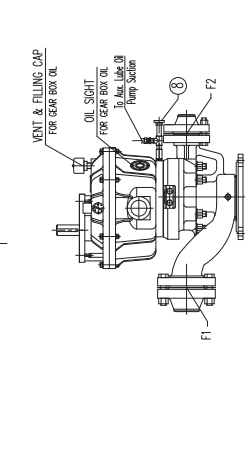
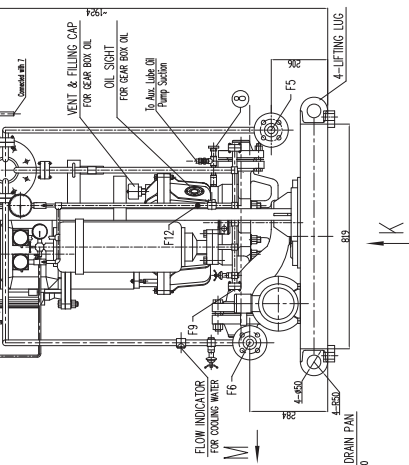


# EARTHING BOSS



COOLING WATER SUPPLIED		
Item	113-P-116 A/B	113-P-216 A/B
Pressure (bar)	9.04 ~ 9.74	7.64 ~ 8.64

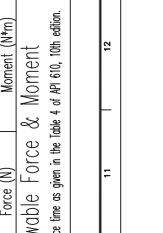
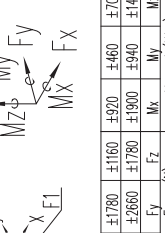
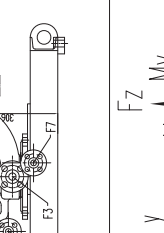
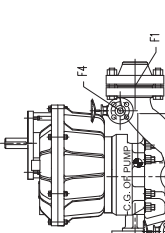
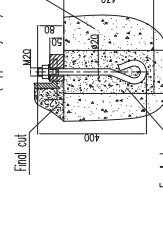
COOLING WATER FOR PUMP UNIT		
Cooling	Consumption (Return Pressure)	Temp. Inlet/Outlet
Seal system	1.8 m <sup>3</sup> /h	> 5 barg
Lube oil	0.8 m <sup>3</sup> /h	> 5 barg



PROCESS CONNECTIONS		
Code	Size & Rating	Description
F1	3" ANSI 600L-RF	Discharge
F2	3" ANSI 600L-RF	Coasting Drain
F3	3/4" ANSI 600L-RF	Coasting Vent
F4	3/4" ANSI 600L-RF	Coasting Inlet
F5	1" ANSI 150L-RF	Coasting Water Outlet
F6	1" ANSI 150L-RF	Coasting Water Outlet
F7	1/2" ANSI 150L-RF	Oil Sump Drain
F8	1/2" ANSI 150L-RF	Oil Sump Drain
F9	3/4" ANSI 600L-RF	Process Vent
F10	3/4" ANSI 600L-RF	Process Vent
F11	3/4" ANSI 300L-RF	No Connection
F12	1/2" Quick fittings	Process Fitting

Minimum Allowable Amplitude for Foundations		
Velocity (FEAK)	4.2	mm/s
Displacement	4	mm
WEIGHT OF HIGH SPEED ROTOR	6.5	KG
SPEED OF HIGH SPEED ROTOR	9118	RPM
WEIGHT OF MOTOR ROTOR	37	KG
SPEED OF MOTOR ROTOR	2938	RPM

ANCHOR BOLT DETAIL		
M20x400(Supplied by DBP)		
Final cut		
For Anchor Bolts		



GENERAL NOTES		
PUMP INFORMATION		
Item No.:	113-P-116 A/B / 113-P-216 A/B	
Unit:	113	
Service:	PROPANE EXTRACTOR LEAN CAUSTIC PUMPS	
Model:	EGS-L2-6/186	
Seal Plan:	53B+61	
Motor:	22KW - 2P	

Cables and Cable Connections		
Cable Gland Thread		Cable Cores (mm <sup>2</sup> )
Main Motor	2 x M40	3 x 35
Main Motor Space Heater	NA	NA
Aux. Motor (Lube Oil)	1 x M25	3 x 4
Aux. Motor (Oil Cooler)	NA	NA

REFERENCE DRAWINGS		
MECH. SEAL SYSTEM DRAWING	VP-SP2021-0N-MA-113-P116-0055	
MOTOR OUTLINE DRAWING	VP-SP2021-0N-MA-113-P116-0185	
Coupling DRAWING	VP-SP2021-0N-MA-113-P116-0064	
JUNCTION BOX DRAWING	VP-SP2021-0N-MA-113-P116-0203	
PUMP P&ID DRAWING	VP-SP2021-0N-MA-113-P116-0037	

DWG. NO.		
Code1	(Approved) Vendor to submit. For Final	
Code2	(Approved with comments) Vendor shall correct / revise & submit it as "For Final"	
Code3	(Released for manufacturing if change incorporated as indicated)	
Code4	(Commented) : Vendor shall correct / revise & resubmit. : It as "For Approval" of the date specified. : (Corrected documents to be incorporated as indicated)	
Code5	(Not Acceptable quality Reject)	

DATE : 13.07.2013		
DEPT:	Machinery	
Signature :	M.S	
Only for internal review		
CV	PI	EL
ST	BU	PR
SA	HW	TL

FOR APPROVAL		
1. Jul. 2013	FOR APPROVAL	DBP
2. May. 2013	FOR APPROVAL	DBP
REV.	DATE	DESCRIPTION
1	13.07.2013	13.07.2013
2	13.07.2013	13.07.2013

SOUTH PANS GAS FIELD DEVELOPMENT- PHASES 20 & 21, ASSUMATED-IRAN ONSHORE FACILITIES		
PROJECT No.:	POGC-572-48-35	DOC CLASS:
SCALE :		
DEEP BLUE PUMP CO.		

113-P-116 A/B / 113-P-216 A/B		
PROPANE EXTRACTOR LEAN CAUSTIC PUMPS		
GENERAL ARRANGEMENT DRAWING		
DRAWING No.	VP-SP2021-0N-MA-113-P116-0000	SHEET No. 1 OF 1
REV.	5	16

GENERAL NOTES		
PUMP INFORMATION		
Item No.:	113-P-116 A/B / 113-P-216 A/B	
Unit:	113	
Service:	PROPANE EXTRACTOR LEAN CAUSTIC PUMPS	
Model:	EGS-L2-6/186	
Seal Plan:	53B+61	
Motor:	22KW - 2P	

Cables and Cable Connections		
Cable Gland Thread		Cable Cores (mm <sup>2</sup> )
Main Motor	2 x M40	3 x 35
Main Motor Space Heater	NA	NA
Aux. Motor (Lube Oil)	1 x M25	3 x 4
Aux. Motor (Oil Cooler)	NA	NA

REFERENCE DRAWINGS		
MECH. SEAL SYSTEM DRAWING	VP-SP2021-0N-MA-113-P116-0055	
MOTOR OUTLINE DRAWING	VP-SP2021-0N-MA-113-P116-0185	
Coupling DRAWING	VP-SP2021-0N-MA-113-P116-0064	
JUNCTION BOX DRAWING	VP-SP2021-0N-MA-113-P116-0203	
PUMP P&ID DRAWING	VP-SP2021-0N-MA-113-P116-0037	

DWG. NO.		
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Code2	(Approved with comments) Vendor shall correct / revise & submit it as "For Final"	
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Code4	(Commented) : Vendor shall correct / revise & resubmit. : It as "For Approval" of the date specified. : (Corrected documents to be incorporated as indicated)	
Code5	(Not Acceptable quality Reject)	

DATE : 13.07.2013		
DEPT:	Machinery	
Signature :	M.S	
Only for internal review		
CV	PI	EL
ST	BU	PR
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FOR APPROVAL		
1. Jul. 2013	FOR APPROVAL	DBP
2. May. 2013	FOR APPROVAL	DBP
REV.	DATE	DESCRIPTION
1	13.07.2013	13.07.2013
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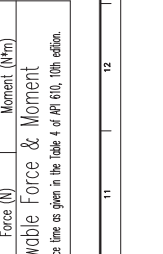
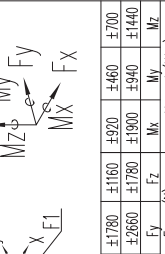
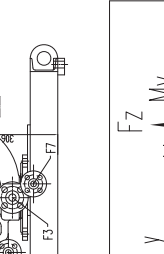
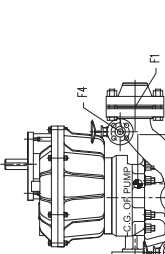
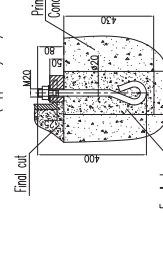
SOUTH PANS GAS FIELD DEVELOPMENT- PHASES 20 & 21, ASSUMATED-IRAN ONSHORE FACILITIES		
PROJECT No.:	POGC-572-48-35	DOC CLASS:
SCALE :		
DEEP BLUE PUMP CO.		

113-P-116 A/B / 113-P-216 A/B		
PROPANE EXTRACTOR LEAN CAUSTIC PUMPS		
GENERAL ARRANGEMENT DRAWING		
DRAWING No.	VP-SP2021-0N-MA-113-P116-0000	SHEET No. 1 OF 1
REV.	5	16

PROCESS CONNECTIONS		
Code	Size & Rating	Description
F1	3" ANSI 600L-RF	Discharge
F2	3" ANSI 600L-RF	Coasting Drain
F3	3/4" ANSI 600L-RF	Coasting Vent
F4	3/4" ANSI 600L-RF	Coasting Inlet
F5	1" ANSI 150L-RF	Coasting Water Outlet
F6	1" ANSI 150L-RF	Coasting Water Outlet
F7	1/2" ANSI 150L-RF	Oil Sump Drain
F8	1/2" ANSI 150L-RF	Oil Sump Drain
F9	3/4" ANSI 600L-RF	Process Vent
F10	3/4" ANSI 600L-RF	Process Vent
F11	3/4" ANSI 300L-RF	No Connection
F12	1/2" Quick fittings	Process Fitting

Minimum Allowable Amplitude for Foundations		
Velocity (FEAK)	4.2	mm/s
Displacement	4	mm
WEIGHT OF HIGH SPEED ROTOR	6.5	KG
SPEED OF HIGH SPEED ROTOR	9118	RPM
WEIGHT OF MOTOR ROTOR	37	KG
SPEED OF MOTOR ROTOR	2938	RPM

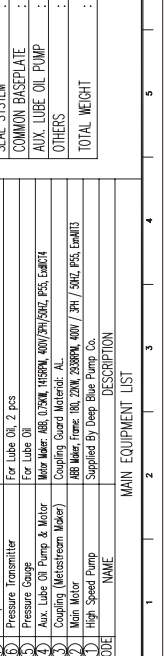
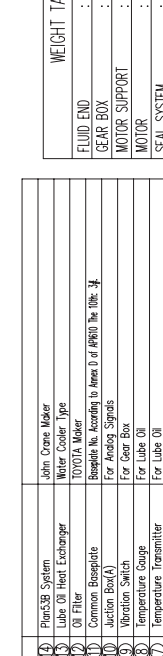
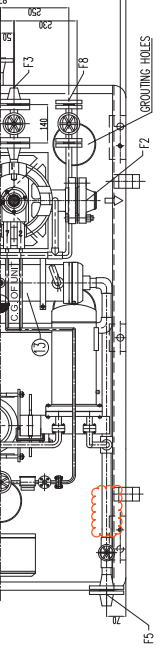
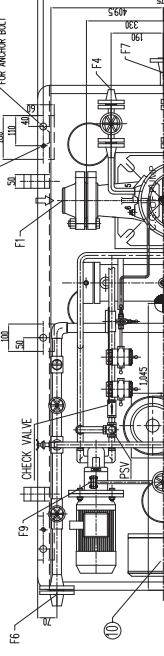
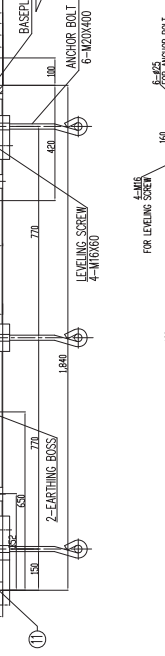
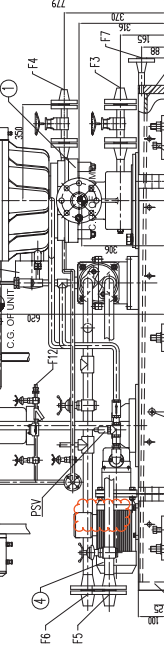
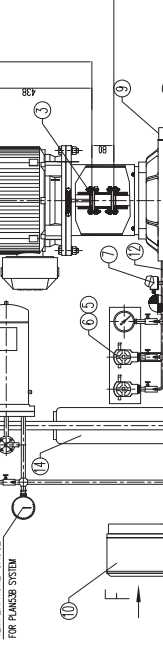
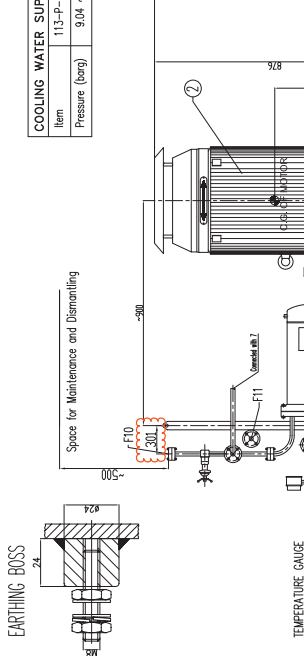
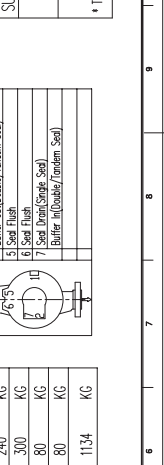
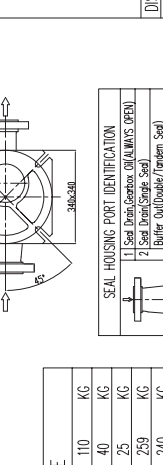
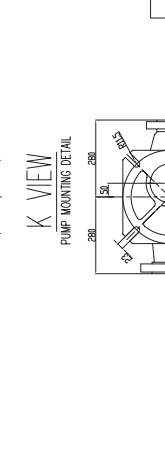
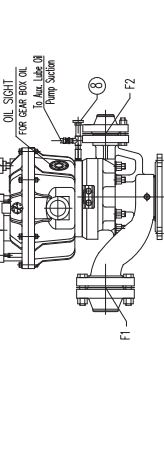
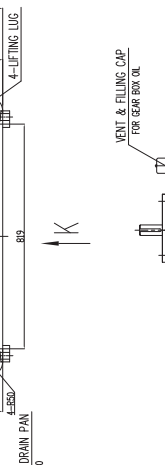
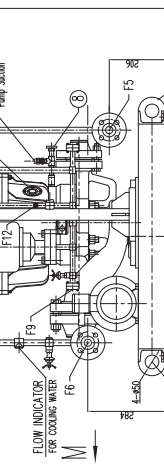
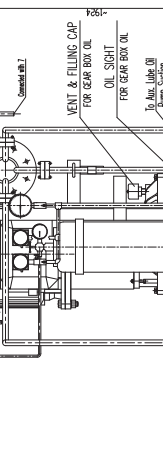
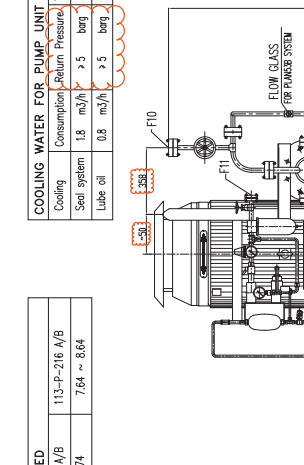
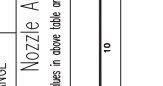
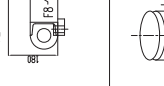
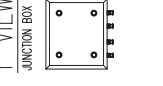
ANCHOR BOLT DETAIL		
M20x400(Supplied by DBP)		
Final cut		
For Anchor Bolts		



COOLING WATER FOR PUMP UNIT		
Cooling	Consumption (Return Pressure)	Temp. Inlet/Outlet
Seal system	1.8 m <sup>3</sup> /h	> 5 barg
Lube oil	0.8 m <sup>3</sup> /h	> 5 barg

Minimum Allowable Amplitude for Foundations		
Velocity (FEAK)	4.2	mm/s
Displacement	4	mm
WEIGHT OF HIGH SPEED ROTOR	6.5	KG
SPEED OF HIGH SPEED ROTOR	9118	RPM
WEIGHT OF MOTOR ROTOR	37	KG
SPEED OF MOTOR ROTOR	2938	RPM

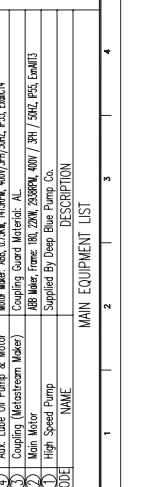
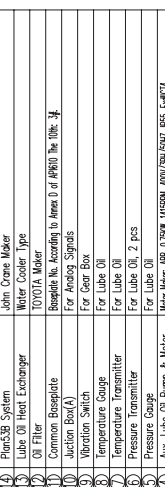
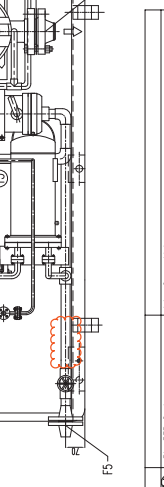
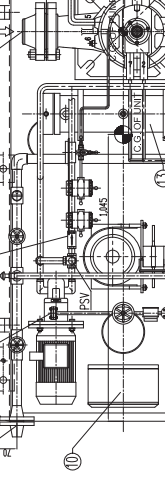
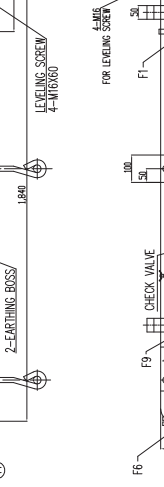
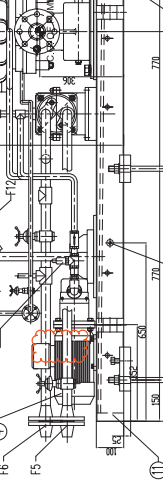
ANCHOR BOLT DETAIL		
M20x400(Supplied by DBP)		
Final cut		
For Anchor Bolts		



COOLING WATER SUPPLIED		
Item	113-P-116 A/B	113-P-216 A/B
Pressure (bar)	9.04 ~ 9.74	7.64 ~ 8.64

COOLING WATER FOR PUMP UNIT		
Cooling	Consumption (Return Pressure)	Temp. Inlet/Outlet
Seal system	1.8 m <sup>3</sup> /h	> 5 barg
Lube oil	0.8 m <sup>3</sup> /h	> 5 barg

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SPEED OF HIGH SPEED ROTOR	9118	RPM
WEIGHT OF MOTOR ROTOR	37	KG
SPEED OF MOTOR ROTOR	2938	RPM



COOLING WATER SUPPLIED		
Item	113-P-116 A/B	113-P-216 A/B
Pressure (bar)	9.04 ~ 9.74	7.64 ~ 8.64

COOLING WATER FOR PUMP UNIT		
Cooling	Consumption (Return Pressure)	Temp. Inlet/Outlet
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Lube oil	0.8 m <sup>3</sup> /h	> 5 barg

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Displacement	4	mm
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SPEED OF HIGH SPEED ROTOR	9118	RPM
WEIGHT OF MOTOR ROTOR	37	KG
SPEED OF MOTOR ROTOR	2938	RPM



COOLING WATER SUPPLIED		
Item	113-P-116 A/B	113-P-216 A/B
Pressure (bar)	9.04 ~ 9.74	7.64 ~ 8.64

COOLING WATER FOR PUMP UNIT		
Cooling	Consumption (Return Pressure)	Temp. Inlet/Outlet
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