



The SMP 104 is a GREEN RIG that has been designed for:

- providing low noise environment by soundproofing all noise generating equipments
- capturing all effluents from drill floor and engine room
- reducing nitrogen oxide, particle, hydrocarbon and carbon monoxide emissions using the latest technology Tier 4 Final/ Stage IV engines

TECHNICAL DATA SHEET:

GENERAL DESCRIPTION:		ROTARY TABLE:	
YEAR OF CONSTRUCTION	2010	SIZE	37-1/2"
MAKE	PMC	POWER	HYDRAULIC MOTOR ZP-375
TYPE	ELECTRIC AC / AC	MAKE AND TYPE	
PRESSURE RATED	5 000 PSI	DRAWWORKS:	
		MAKE AND TYPE	LTI - LDW550K
MAST:		POWER RATING	1 500 HP / 2 250 HP INTERMITTENT
MAKE AND TYPE	BOOT STRAP - DOUBLE	DRILLING LINE	1-1/4"
DYNAMIC HOOK LOAD	250 METRICS TONS	AUXILIARY BRAKE	LTI ELECTRIC SYSTEM
HEIGHT	145 FT (44.20 M)	DRIVE	ELECTRIC
SUBSTRUCTURE:			
MAKE AND TYPE	BOX ON BOX		
HEIGHT	30 FT (9.1 M)		
CLEAR HEIGHT	25 FT (7.6 M)		
ROTARY LOAD CAPACITY	350 METRIC TONS		
SETBACK CAPACITY	150 METRIC TONS		

TOP DRIVE SYSTEM:	
MAKE AND TYPE	TESCO - 350 EXI 600
LOAD RATING	350 TONS
CONTINUOUS TORQUE	30 000 FT.LBS
INTERMITTENT TORQUE	45 000 FT.LBS
MAXIMUM SPEED	220 RPM
POWER RATING	600 HP
DRIVE	ELECTRIC

BOP STACK:	
SIZE	13-5/8"
WORKING PRESSURE	5 000 PSI
TYPE	ANNULAR PREVENTER
MODEL	HYDRIL GK
TYPE	RAMS PREVENTER
MODEL	CAMERON TYPE U (TRIPLE: DOUBLE + SINGLE)

RIG POWER SUPPLY:	
ENGINES / GENERATORS	3 X CATERPILLAR 3512C / KATO 6P6-3300
POWER RATING	3 X 1 476 HP / 1 950 KVA
EMERGENCY ENGINE / GENERATOR	1 X CATERPILLAR C15
POWER RATING	490 HP / 568 KVA
POWER CONTROL ROOM	AC/AC - VARIABLE FREQUENCY DRIVE

MUD PUMPS:	
MAKE AND TYPE	2 X LEWCO WH 1312
POWER RATING	2 X 1 300 HP
DRIVE	ELECTRIC

MUD SYSTEM:	
MUD TANKS	230.5 M3 (1 405 BBLS)
SHALE SHAKERS	3 X MI SWACO MD-3
HOPPERS	2

AUTOMATIC CATWALK SYSTEM:	
MAKE AND TYPE	FORUM - WRANGLER 3550
PARTICULARITIES: DESIGN	COMPACT- FAST MOVING AND LOW FOOT PRINT

ENVIRONMENT	TIER 4 ENGINES (LOW EMISSIONS LOW NOISE (85DB @ 3 FT) RIG FLOOR SPILL CONTAINMENT SYST. ATEX-EX EQUIPMENTS FULLY COMPLIANT WITH FRENCH LEGISLATION
ELECTRIC MISCELLANEOUS	