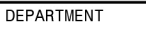
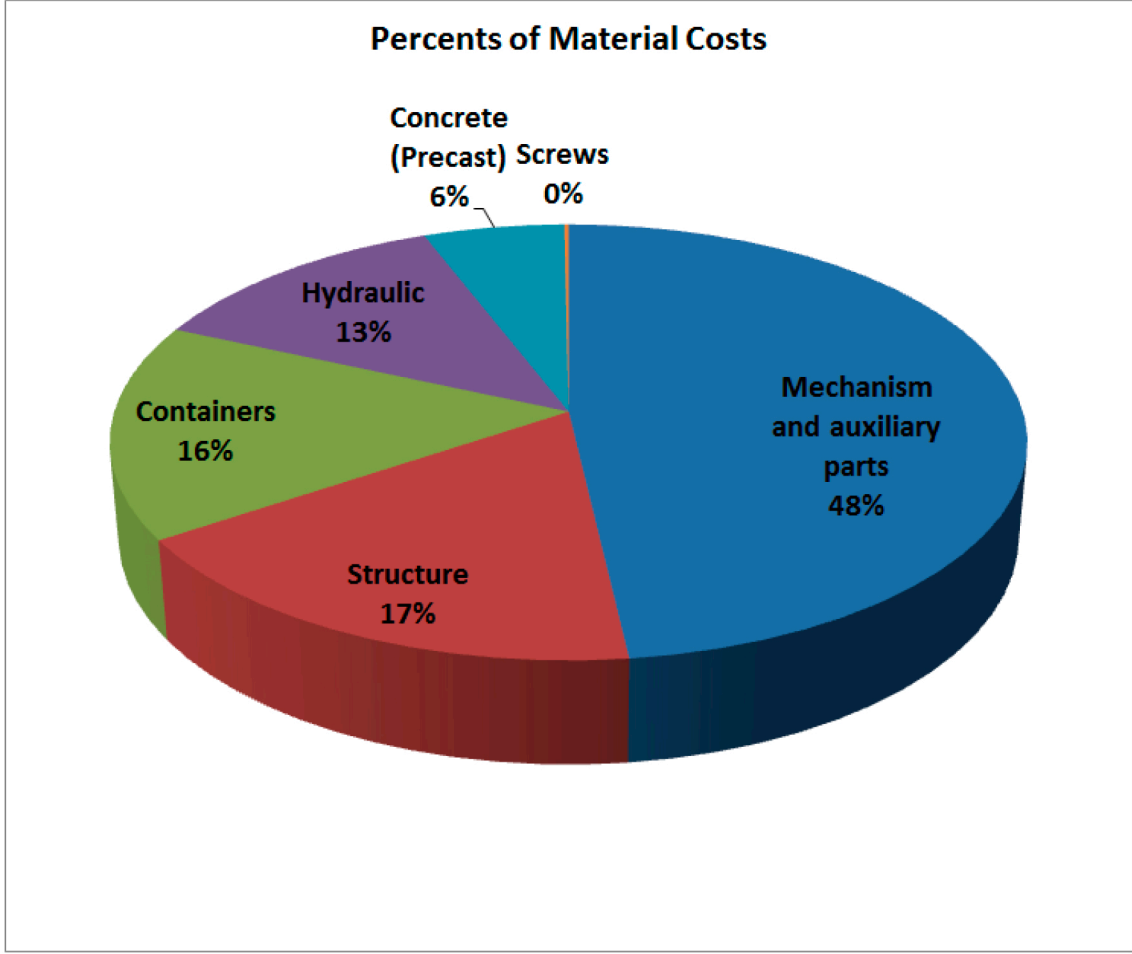


- 1 - Hyraulic oil tank
- 2 - Pressure Relief Valve
- 3 - Hydraulic Pump
BQ05G164C01
- 4 - Engine
- 5 - Valve 4/3
- 6 - Electromagnetic drive
- 7 - Return spring
- 8 - Pressure gauge
- 9 - Double effect cylinder
D56/100 Stroke715mm

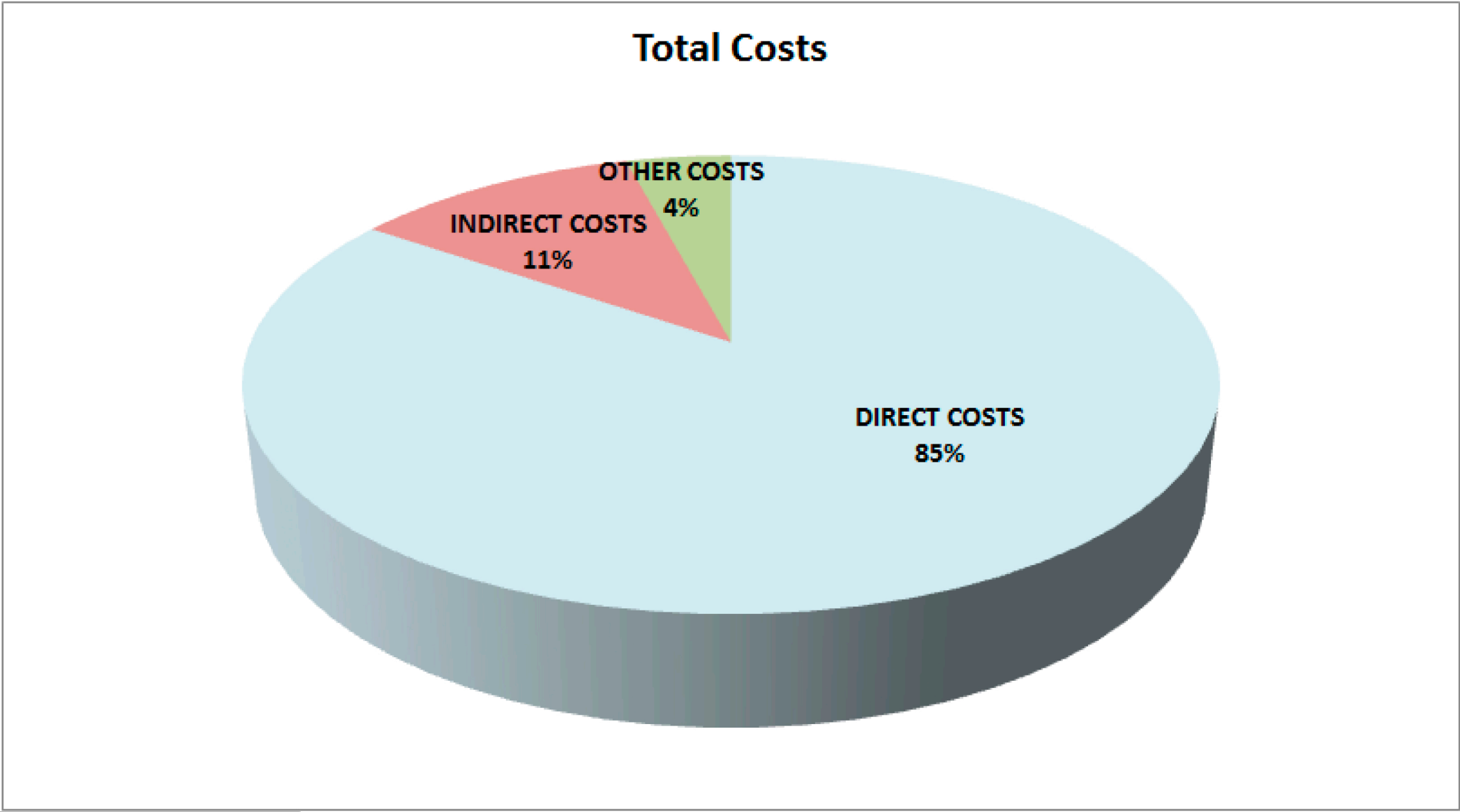
- 1- The scheme is drawn in the position 0 (underground position)
- 2- The oil that the circuit uses is: FLUID DRIVE HM-22

DESIGNED BY: Francisco Renedo		Lifting mechanism of Underground Containers		
DATE: 13/05/2016				
CHECKED BY: Vadim Moksín				
DATE:				
UNIVERSITY	DEPARTMENT	HYDRAULIC SCHEME		
VGTU	Mechanics			
SIZE		SCALE	Nº DRAWING	SHEET
A2			MP16.01.000.HS	1 / 1

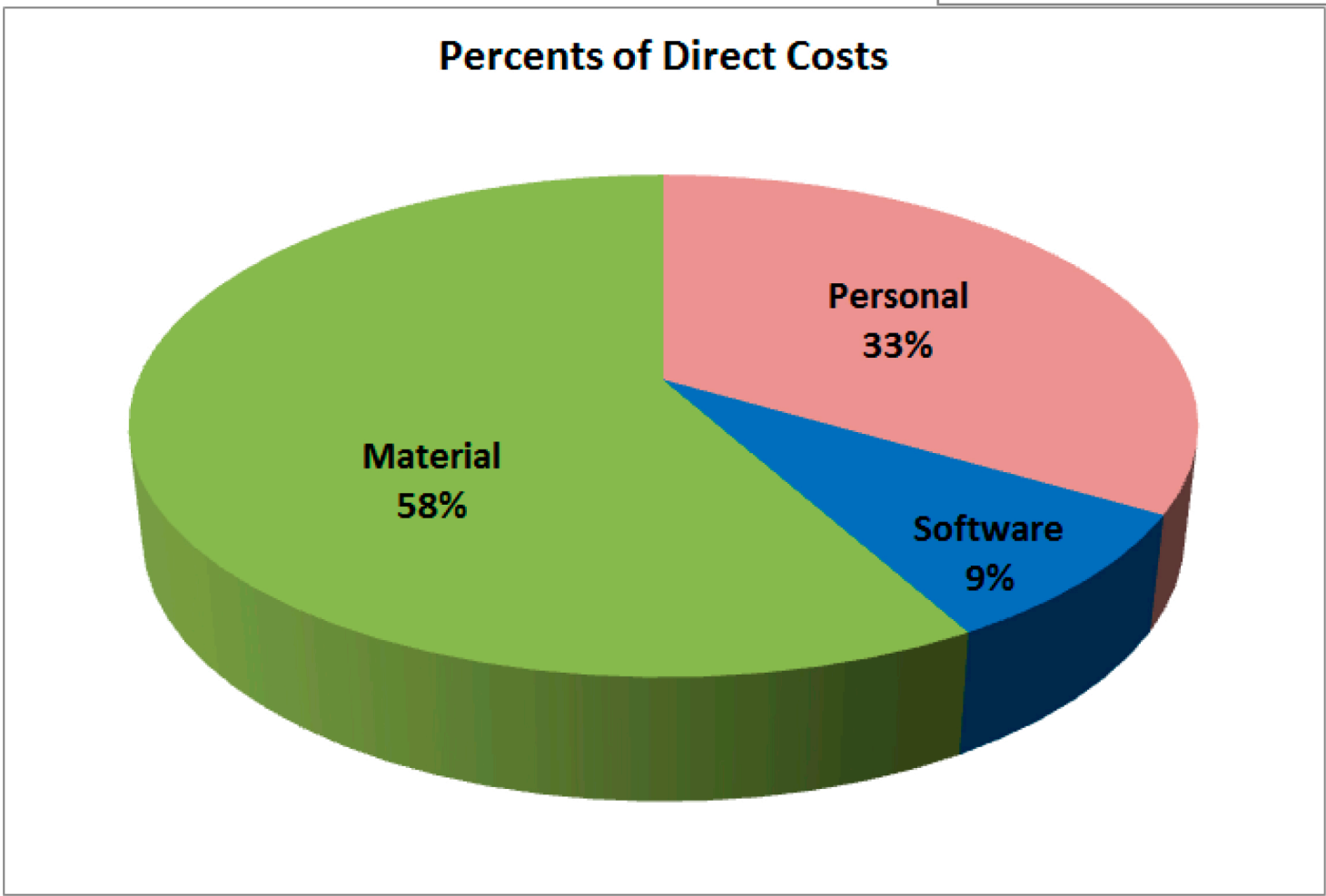
Material Costs	
Mechanism and auxiliary parts	10776.00 €
Structure	3904.00 €
Containers	3584.00 €
Hydraulic	2795.00 €
Concrete (Precast)	1272.00 €
Screws	39.00 €
TOTAL	22.370 €

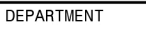


CONCEPT	AMOUNT
DIRECT COSTS	38501.00 €
INDIRECT COSTS	5149.10 €
OTHER COSTS	1891.86 €
TOTAL	44878.20 €



Direct Costs	
Personal	12874.80 €
Software	3257.00 €
Material	22370.00 €
TOTAL	38501.00 €



DESIGNED BY: Francisco Renedo		Lifting mechanism of Underground Containers		
DATE: 13/05/2016				
CHECKED BY: Vadim Moxsin				
DATE:				
UNIVERSITY	DEPARTMENT	ECONOMICAL RATES		
VGTU	Mechanics			
SIZE		SCALE	Nº DRAWING	SHEET
A2			MP16.01.000.ER	1 / 1