

MATERIELS
 - fendeurs à chape HG288
 - câble Ø22mm
 - points d'arrimage (WL)

Charge rupture
 -> 34440 kg
 -> 29520 kg
 -> 36000 kg

CARACTERISTIQUES
 - Année 1976
 - Construction E36_2
 - 1077m 2
 - Longueur: 80m
 - Largeur: 11,4m
 - Creux: 4m

BALLAST
 - 7 compartiments ballastables
 - 2 groupes de pompes 150m³/h à commande centralisée.

MOUILLAGE
 2 ancres Danforth 900kg.

B	1976/8	Transport	6m	mm	mm	mm	mm
O	1976/8	Transport	6m	mm	mm	mm	mm
COMPAGNIE FLUVIALE DE TRANSPORT TRAMONTANE							
TREUIL POUR TOTAL ANGOLA							
NPR10-030CC TCL							

MAQUILLAGE : TRANSPORT
 SERVICE FABRIQUE
 CLASSE : 121, CP : 27/07/76

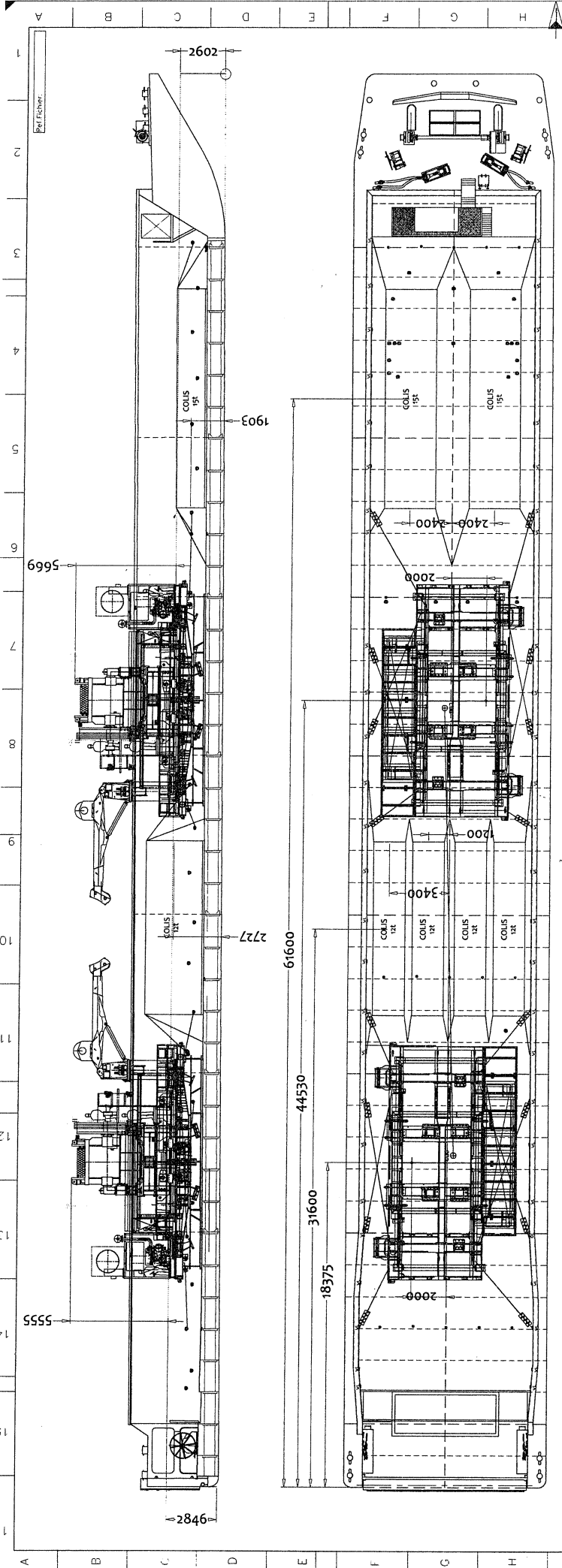
LESAGE CONSTRUCTION / VUE DE TRAVAIL TOTAL ANGOLA

TYPE DE MATERIEL	QUANTITE	PESO (KG)	PESO (TON)
1	1	1000	1.000
2	1	1000	1.000
3	1	1000	1.000
4	1	1000	1.000
5	1	1000	1.000
6	1	1000	1.000
7	1	1000	1.000
8	1	1000	1.000
9	1	1000	1.000
10	1	1000	1.000
11	1	1000	1.000
12	1	1000	1.000
13	1	1000	1.000
14	1	1000	1.000
15	1	1000	1.000
16	1	1000	1.000
17	1	1000	1.000
18	1	1000	1.000
19	1	1000	1.000
20	1	1000	1.000
21	1	1000	1.000
22	1	1000	1.000
23	1	1000	1.000
24	1	1000	1.000
25	1	1000	1.000
26	1	1000	1.000
27	1	1000	1.000
28	1	1000	1.000
29	1	1000	1.000
30	1	1000	1.000
31	1	1000	1.000
32	1	1000	1.000
33	1	1000	1.000
34	1	1000	1.000
35	1	1000	1.000
36	1	1000	1.000
37	1	1000	1.000
38	1	1000	1.000
39	1	1000	1.000
40	1	1000	1.000
41	1	1000	1.000
42	1	1000	1.000
43	1	1000	1.000
44	1	1000	1.000
45	1	1000	1.000
46	1	1000	1.000
47	1	1000	1.000
48	1	1000	1.000
49	1	1000	1.000
50	1	1000	1.000
51	1	1000	1.000
52	1	1000	1.000
53	1	1000	1.000
54	1	1000	1.000
55	1	1000	1.000
56	1	1000	1.000
57	1	1000	1.000
58	1	1000	1.000
59	1	1000	1.000
60	1	1000	1.000
61	1	1000	1.000
62	1	1000	1.000
63	1	1000	1.000
64	1	1000	1.000
65	1	1000	1.000
66	1	1000	1.000
67	1	1000	1.000
68	1	1000	1.000
69	1	1000	1.000
70	1	1000	1.000
71	1	1000	1.000
72	1	1000	1.000
73	1	1000	1.000
74	1	1000	1.000
75	1	1000	1.000
76	1	1000	1.000
77	1	1000	1.000
78	1	1000	1.000
79	1	1000	1.000
80	1	1000	1.000
81	1	1000	1.000
82	1	1000	1.000
83	1	1000	1.000
84	1	1000	1.000
85	1	1000	1.000
86	1	1000	1.000
87	1	1000	1.000
88	1	1000	1.000
89	1	1000	1.000
90	1	1000	1.000
91	1	1000	1.000
92	1	1000	1.000
93	1	1000	1.000
94	1	1000	1.000
95	1	1000	1.000
96	1	1000	1.000
97	1	1000	1.000
98	1	1000	1.000
99	1	1000	1.000
100	1	1000	1.000

MAQUILLAGE : TRANSPORT
 SERVICE FABRIQUE
 CLASSE : 121, CP : 27/07/76

LESAGE CONSTRUCTION / VUE DE TRAVAIL TOTAL ANGOLA

TYPE DE MATERIEL	QUANTITE	PESO (KG)	PESO (TON)
1	1	1000	1.000
2	1	1000	1.000
3	1	1000	1.000
4	1	1000	1.000
5	1	1000	1.000
6	1	1000	1.000
7	1	1000	1.000
8	1	1000	1.000
9	1	1000	1.000
10	1	1000	1.000
11	1	1000	1.000
12	1	1000	1.000
13	1	1000	1.000
14	1	1000	1.000
15	1	1000	1.000
16	1	1000	1.000
17	1	1000	1.000
18	1	1000	1.000
19	1	1000	1.000
20	1	1000	1.000
21	1	1000	1.000
22	1	1000	1.000
23	1	1000	1.000
24	1	1000	1.000
25	1	1000	1.000
26	1	1000	1.000
27	1	1000	1.000
28	1	1000	1.000
29	1	1000	1.000
30	1	1000	1.000
31	1	1000	1.000
32	1	1000	1.000
33	1	1000	1.000
34	1	1000	1.000
35	1	1000	1.000
36	1	1000	1.000
37	1	1000	1.000
38	1	1000	1.000
39	1	1000	1.000
40	1	1000	1.000
41	1	1000	1.000
42	1	1000	1.000
43	1	1000	1.000
44	1	1000	1.000
45	1	1000	1.000
46	1	1000	1.000
47	1	1000	1.000
48	1	1000	1.000
49	1	1000	1.000
50	1	1000	1.000
51	1	1000	1.000
52	1	1000	1.000
53	1	1000	1.000
54	1	1000	1.000
55	1	1000	1.000
56	1	1000	1.000
57	1	1000	1.000
58	1	1000	1.000
59	1	1000	1.000
60	1	1000	1.000
61	1	1000	1.000
62	1	1000	1.000
63	1	1000	1.000
64	1	1000	1.000
65	1	1000	1.000
66	1	1000	1.000
67	1	1000	1.000
68	1	1000	1.000
69	1	1000	1.000
70	1	1000	1.000
71	1	1000	1.000
72	1	1000	1.000
73	1	1000	1.000
74	1	1000	1.000
75	1	1000	1.000
76	1	1000	1.000
77	1	1000	1.000
78	1	1000	1.000
79	1	1000	1.000
80	1	1000	1.000
81	1	1000	1.000
82	1	1000	1.000
83	1	1000	1.000
84	1	1000	1.000
85	1	1000	1.000
86	1	1000	1.000
87	1	1000	1.000
88	1	1000	1.000
89	1	1000	1.000
90	1	1000	1.000
91	1	1000	1.000
92	1	1000	1.000
93	1	1000	1.000
94	1	1000	1.000
95	1	1000	1.000
96	1	1000	1.000
97	1	1000	1.000
98	1	1000	1.000
99	1	1000	1.000
100	1	1000	1.000



MATERIELS

- Charge rupture
- tendeurs à chape HC288 → 34440 kg
- câble Ø222mm → 29520 kg
- points d'arrimage (WL) → 36000 kg

CARACTERISTIQUES

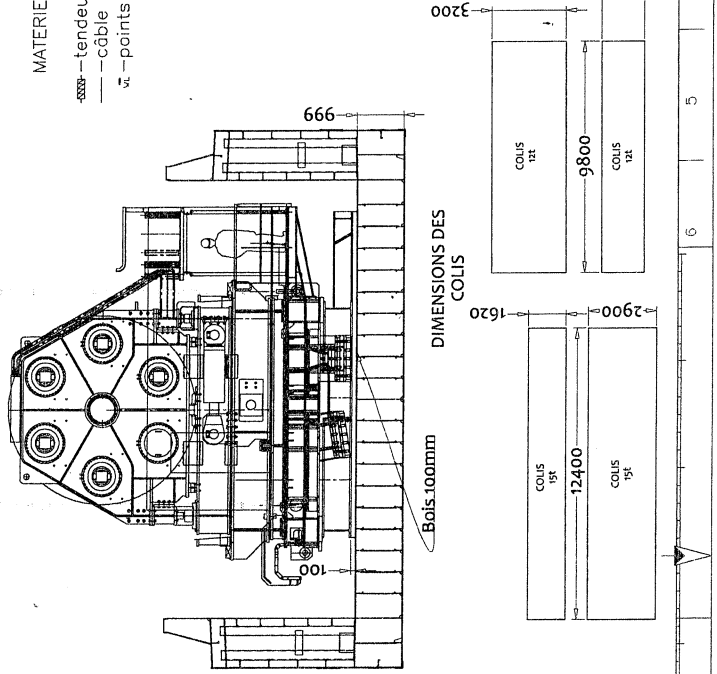
- Année 1976
- Construction E36_2
- 107/m²
- Longueur: 80m
- Largeur: 11,41m
- Creux: 4m

BALLAST

- 7 compartiments ballastables
- + compartiment arrière et avant.
- 2 groupes de pompage 150m³/h
- à commande centralisée.

MOUILLAGE

- 2 ancrs Danforth 900kg.



STABILITY CRITERIA

HEEL AT EQUILIBRIUM 0,000 deg
 AREA 1 (0,30) (GZ curve limited to 60,0 deg) 0,472 m rad
 AREA 2 (0,40) (GZ curve limited to 60,0 deg) 0,783 m rad
 AREA 3 (0,40) (GZ curve limited to 60,0 deg) 40,895 deg
 GZ Max (1,0,60) (GZ curve limited to 60,0 deg) 1,881 m
 GZ Max (2,0,60) (GZ curve limited to 60,0 deg) 3,807 m
 GZ (30 deg) (GZ curve limited to 60,0 deg) 6,811 m rad
 GZ (30 deg) 1,681 m

Dynamic stability angle 27,385 deg
 Accelerated lever arm 1,328 m

FREEDMAN AT EQUILIBRIUM ANGLE OF IMMERSION

HEEL (deg) 1,154
 TRIM (deg) -2,846

DECK-EDGE POINTS

HEEL (deg) 11,2
 MARGIN LINE POINTS 0,0

STABILITY CRITERIA (continued)

HEEL (deg)	TRIM (deg)	LCB (m)	KB (m)	KM (m)	GZ (m rad)	AREA (m rad)
0,0	2,724	0,243	37,207	0,000	1,382	0,000
5,0	2,723	0,248	37,208	0,358	1,397	0,318
10,0	2,720	0,256	37,206	0,719	1,445	0,640
20,0	2,688	0,275	37,205	1,399	1,614	1,200
30,0	2,622	0,291	37,197	2,201	2,066	1,831
40,0	2,528	0,302	37,191	2,929	2,176	1,999
50,0	2,404	0,314	37,184	2,395	2,286	1,992
60,0	2,254	0,326	37,177	1,583	2,377	1,982

TRANSVERSE RICE

Orientation: 137 - OBT 04/03/70

LOADING CONDITION: 2 treillis pour TOTAL 140m³

ITEMS OF LOADING

NO	WEIGHT (kg)	LCB (m)	KB (m)	YM (m)	ZM (m)	FSM
1 peak ar bd	0,000	3,600	6,00	0,148	1,800	2,850
2 peak ar bd	0,000	3,600	6,00	0,148	1,800	58,56
3 ballast 1 lb	14,400	23,400	63,13	0,728	18,900	-3,220
4 ballast 2 lb	14,400	23,400	63,13	0,728	18,900	-3,220
5 ballast 3 lb	14,400	23,400	63,13	0,728	18,900	-3,220
6 ballast 4 lb	14,400	23,400	63,13	0,728	18,900	-3,220
7 ballast 5 lb	14,400	23,400	63,13	0,728	18,900	-3,220
8 ballast 6 lb	14,400	23,400	63,13	0,728	18,900	-3,220
9 ballast 7 lb	14,400	23,400	63,13	0,728	18,900	-3,220
10 ballast 8 lb	14,400	23,400	63,13	0,728	18,900	-3,220
11 ballast 9 lb	14,400	23,400	63,13	0,728	18,900	-3,220
12 ballast 10 lb	14,400	23,400	63,13	0,728	18,900	-3,220
13 ballast 11 lb	14,400	23,400	63,13	0,728	18,900	-3,220
14 ballast 12 lb	14,400	23,400	63,13	0,728	18,900	-3,220
15 ballast 13 lb	14,400	23,400	63,13	0,728	18,900	-3,220
16 ballast 14 lb	14,400	23,400	63,13	0,728	18,900	-3,220
17 ballast 15 lb	14,400	23,400	63,13	0,728	18,900	-3,220
treillis Ar	296,00	2,552	44,530	2,000	0,000	351,15
treillis Av	296,00	2,552	44,530	2,000	0,000	351,15
colis 12 t	12,00	2,700	31,600	3,400	0,000	0,00
colis 12 t	12,00	2,700	31,600	3,400	0,000	0,00
colis 15 t	15,00	1,900	41,000	0,000	0,000	0,00
colis 15 t	15,00	1,900	41,000	0,000	0,000	0,00
LIGHT SHIP	900,00	2,000	40,000	0,000	0,000	0,00
TOTAL WEIGHT	2360,00	1,642	37,200	0,000	488,58	0,00

DRAGHTS AND TRIM AT EQUILIBRIUM

Atc	Aidehois	Fore	Trim
2,846	2,724	2,602	0,249
2,846	2,724	2,602	0,249
2,846	2,724	2,602	0,249
2,846	2,724	2,602	0,249
2,846	2,724	2,602	0,249

DRAGHT ON BASELINE AT PERPENDICULAR 2,846
DRAGHT ON BASELINE AT CORRESPONDING HEEL 2,846
BROUGHT UNDER KEEL AT CORRESPONDING HEEL 2,846