



NOTES: -DIMENSIONS IN PARENTHESIS ARE IN INCHES.  
 -RECOMMENDED TIE ROD TORQUE: 30 F.T LBS.  
 -OIL QUANTITY BY HOUSING, BEARING: 0,56 liters.  
 -USED OIL SPECIFICATION: JAROGEAR Z.150  
 Extreme oil pressure SERVICE API-GL5  
 EQUIVALENT: ESSO SPARTAN EP 150  
 ELF REDUCTELF SP 150  
 TOTAL CARTER EP 150  
 SHELL OMALA 150

REV	DATE	EDN	BY	REVISIONS
8	09/07/2004		TF	ORIGINAL

ITEM	QTY.	PART NO.	DESCRIPTION	DWG.	MATERIAL	WEIGHT: kg
61	1	S.2523	SILICONE, JOINT			
60	2	S.1013	COVER, PORT		050	C.STEEL
59	Variable	M05.1	WASHER, M5			S.STEEL
58	See chart I	GS M05-010	SCREW, GS M5-10			S.STEEL
57	See chart I	FHC M05-016	SCREW, FHC M5-16			S.STEEL
56	See chart I	S.5253	BRACKET, BAFFLE		77-22	S.STEEL
55	4	S.0823	BRACKET, BAFFLE		50-20	S.STEEL
54	See chart I	S.5252	BAFFLE, INTERMEDIATE SECTION		77-20	S.STEEL 0,4
53	1	S.1039	BAFFLE, INLET HEAD		77-42	S.STEEL 0,4
52	24	CHC M08-025	SCREW, CHC M8-25			
51	12	CHC M08-045	SCHRAUBE, CHC M8-45			
50	36	W08	WASHER LOCK, W8			
49	4	AHC M08-08,PL	SCREW, AHC M8-10,PL			
48	16	CHC M16-040	SCREW, CHC M16-40			
47	16	W16	WASHER LOCK, W16			
46	30	H M20	NUT, H20			
45	30	W20	WASHER LOCK, W20			
44	1	S.1802	VALVE WARNING PLATE		008	
43	1	S.1801	SURGE WARNING PLATE		092	ALUMINIUM
42	8	See chart I	TIE ROD		010	C.STEEL See chart I
41	8	CT02.89-008	RIVET, Ø2,89-8			
40	1	S.0216	NAME PLATE		284	ALUMINIUM
39	1	S.1414	KEY, COUPLING 18x11x10		003	C.STEEL 0,17
38	2	S.2581	PLUG, 1/4 GAS MAGNETIC			
37	See chart I	S.0200	PLUG, 1/4 GAS			
36	1	S.1012	PLUG, 3/8 GAS			
35	2	S.2580	NIPPLE, FF 1/4 GAS			
34	2	S.2579	NIPPLE, MM 1/4 GAS			
33	2	S.1423	OILER 1/4 GAS			0,4
32	2	S.1273	RETAINER, SUMP		150-45	C.STEEL 0,2
31	2	S.1215	LABYRINTH, BEARING HOUSING		75-13	ALUMINIUM 0,24
30	2	S.1218	FAN GUARD, BEARING HOUSING		75-41	C.STEEL 0,1
29	2	S.1214	FAN GUARD, BEARING HOUSING		75-41	C.STEEL 0,1
28	2	S.1275	GASKET, OIL RESERVOIR		150-47	
27	2	S.1216	GASKET, BEARING CAP		150-18	
26	2	S.1222	NUT, KM13			0,2
25	2	S.1221	WASHER, MB13			
24	2	S.1211	SPACER, SHORT		75-17	C.STEEL 0,13
23	2	S.1213	OIL SLINGER		75-18	C.STEEL 0,12
22	2	S.1212	SPACER, LONG		75-16	C.STEEL 0,45
21	1	S.1272	SPACER, BEARING		150-46	C.STEEL 0,22
20	2	S.1262	BEARING, BALL 6313 C3			2,1
19	2	S.1210	FAN, COOLING		75-12	ALUMINIUM 0,65
18	2	S.1223	GRAPHIT RING			
17	2	S.1209	ADAPTER, GRAPHIT RING		77-57	ALUMINIUM 0,9
16	2	S.1208	RETAINER, GRAPHIT RING		77-56	ALUMINIUM 1,2
15	1	S.1204	CAP, BEARING-OUTLET END		150-14	ALUMINIUM 1,3
14	1	S.1205	CAP, BEARING-INLET END		150-13	ALUMINIUM 1,1
13	2	S.1271	OIL RESERVOIR		150-44	CAST IRON 5,7
12	2	S.1270	PALIER		150-48	CAST IRON 13
11	1	S.5224	NUT, KM18			0,5
10	1	S.5225	WASHER, MB18			
9	2	S.5226	WAVY SPRING		77-12	C.STEEL
8	1	See chart I	SHAFT		77-07	C.STEEL See chart I
7	Variable	S.5223	SHIM, IMPELLER		006	C.STEEL
6	See chart I	S.5233	KEY, IMPELLER 12x12x56		003	C.STEEL 0,06
5	See chart I	S.5222	SPACER, IMPELLER		77-08	C.STEEL 0,7
4	See chart I	See chart II	IMPELLER		See chart II	ALUMINIUM See chart II
3	See chart I	S.5251	SECTION, INTERMEDIATE		77-21	CAST IRON 126
2	1	S.5255	HEAD, OUTLET		77-02	CAST IRON 160
1	1	S.5254	HEAD, INLET		77-33	CAST IRON 162

Chart I	TYPE	077.01	077.02	077.03	077.04	077.05	077.06	077.07	077.08	077.09	077.10	077.11
PART NO. ITEM 8	S.5235	S.5236	S.5237	S.5238	S.5239	S.5240	S.5241	S.5242	S.5243	S.5244	S.5245	
WEIGHT:kg, ITEM 8	28,7	34,2	39,6	45,1	50,6	56	61,5	67	72,4	77,9	83,4	
PART NO. ITEM 42	S.1448	S.1244	S.5256	S.1035	S.1248	S.5257	S.5258	S.5259	S.5260	S.1453	S.5261	
WEIGHT:kg, ITEM 42	0,3	0,58	0,84	1,1	1,4	1,65	1,92	2,2	2,46	2,75	3	

  

QTY.	ITEM 3	ITEM 4	ITEM 5	ITEM 6	ITEM 37	ITEM 54	ITEM 56	ITEM 57	ITEM 58
0	1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	10
0	1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	10
8	9	10	11	12	13	14	15	16	17
0	1	2	3	4	5	6	7	8	9
0	4	8	12	16	20	24	28	32	36
4	8	12	16	20	24	28	32	36	40
4	8	12	16	20	24	28	32	36	40

  

DIMENSION E	290	400	510	620	730	840	950	1060	1170	1280	1390
	(11 3/8)	(15 3/4)	(20 1/8)	(24 3/8)	(28 3/4)	(33 1/8)	(37 3/8)	(41 3/4)	(46 1/8)	(50 3/8)	(54 3/4)
DIMENSION X	195	305	415	525	635	745	855	965	1075	1185	1295
	(7 3/8)	(12)	(16 3/8)	(20 3/8)	(25)	(29 3/8)	(33 3/8)	(38)	(42 3/8)	(46 3/8)	(51)
DIMENSION L	850	960	1070	1180	1290	1400	1510	1620	1730	1840	1950
	(33 3/8)	(37 3/8)	(42 1/8)	(46 3/8)	(50 3/8)	(55 1/8)	(59 3/8)	(63 3/8)	(68 3/8)	(72 3/8)	(76 3/8)
WEIGHT: kg	420	565	710	855	1000	1145	1290	1435	1580	1725	1870
WEIGHT: LBS	926	1245	1565	1884	2204	2524	2843	3163	3482	3802	4121

CONTINENTAL INDUSTRIE S.A.	TYPE 077A INLET END DRIVE	ASSEMBLY: DATE: 06/07/2004
S <sup>2</sup> TRIVIER/MOIGNANS FRANCE	SECTIONAL DRAWING GRAPHIT RING SEAL	SCALE: SIZE: A1
QUOTATION: ORDER No.: DR: BD	CHKD. DR:	DWG No. REV.
REVISIONS: 09/04/2004		77A-AG1A 1