



COMBINED BILL OF MATERIAL

Printed On:09.08.2011
Printed By:

CBOM No: 01160557000 CBOM Var: 00 Revno: 0 Rev Date: 02.05.2007
Description: MAIN OIL PUMP ASSEMBLY. Total weight: 48.0

CBOM - 01160557000 00

ENGG		MTE		TTX		WTX	
Initial	Date	Initial	Date	Initial	Date	Initial	Date
steng	16.03.2007	mtear	26.04.2007	txgcb	11.04.2007	wtxvkd	20.04.2007
steng	11.04.2007	mtjpm	26.04.2007	txss	27.04.2007	wtxvkd	20.04.2007
stbsg	02.05.2007	mtjpm	27.04.2007	txdka	27.04.2007	wtxyss	20.04.2007

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Item No	Drawingno	Var	Mvar	Mat Code	Mat Spec	Weight	Blank Sizes	Nos	Qty	Norm/pc	Extra Norm	Total Norm
Qty(Total)	Description				Assy. Remarks	Inclusion?	Mat Shape			Remarks		
Typ	Cat	Zone	Var/Matl. Description		ENGG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
0	01160557000	00	00	48.0								
1(1)	MAIN OIL PUMP ASSEMBLY.			Y	ASSEMBLY	Y	0236					
1	31160501003	03	00	HW1060283050	HW10683	0.07	60.0	1	1	0.378	0.0	0.378
1(1)	KEY PL RND END			Y		Y	RND 32					
MF DR H21	18X11X54						0072-0236					KG
2	ST42602	011		W97372407184	ST42602	0.29	0.0	1	2	1.0	0.0	2.0
2(2)	TEE			Y		Y	ST42602.011					
BO DR	EQUAL 21.3X21.3X2						0074-0291					NO
3	21160557002	00	00	AA1011715090	AA10115	0.9	190.0X280.0	1	1	0.7	0.0	0.7
1(1)	GUARD			Y		Y	SH 1.6					
MF DR L08							0072-0321-0236					KG
4	21160557003	00	00	AA1011715090	AA10115	0.9	190.0X280.0	1	1	0.7	0.0	0.7
1(1)	GUARD			Y		Y	SH 1.6					
MF DR L08							0072-0321-0236					KG
5	ST40020	023		AA1011819198	AA10119	0.4	45.0X100.0	1	3	1.5	0.0	4.5
3(3)	FLANGE			Y		Y	PL 40					
MF DR	C 1.5-21.3						0072-0301-0236					KG
6	ST24001	297		W97359902975	ST24001	0.0010	0.0	1	3	1.0	0.0	3.0
3(3)	O-RING			Y		Y	18X2.65					
BO DR	18X2.65						0074-0291			1F1		NO
7	PIPE 21.3X2.3X500			HW1041046898	AA10446	0.5	510.0	1	1	0.54	0.0	0.54
1(1)				Y		Y	PI 21.3X2.3					
MF DR L24	ST-BQ-A1-CDS-TUBE				21.3X2.0		0072-0315-0236					MR
8	21160518004	00	00	W97311605032		12.5	0.0	0	0	0.0	0.0	0.0
1(1)	GEAR COUPLING			Y		Y						
BO DR G20							0074-0236					NO
9	41160501026	00	00	HW1020218975	AA10218	0.22	25.0	1	1	0.94	0.0	0.94
1(1)	NUT M30X1.5			Y		Y	RND 71					
MF DR E19							0072-0236					KG

ENGG			MTE			TTX			WTX		
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steng	11.04.2007		mtjpm	26.04.2007		txss	27.04.2007		wtxvkd	20.04.2007	
stebsg	02.05.2007		mtjpm	27.04.2007		txdka	27.04.2007		wtxyss	20.04.2007	
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Description: MAIN OIL PUMP ASSEMBLY.

Item No	Drawingno	Var	Mvar	Mat Code	Mat Spec	Weight	Blank Sizes	Nos	Qty	Norm/pc	Extra Norm	Total Norm
Qty(Total)	Description					Inclusion?	Mat Shape			Remarks		
Type	Cat	Zone	Var/Matl.	Description	ENG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
10	ST46001	033	AA1020218134	AA10218		0.01	25.0	1	1	0.121	0.0	0.121
1(1)	ORIFICE					P	RND 28					
MF DR	M16X1.5X1						0072-0236					KG
11			AA7121123363	AA7121123		0.041	0.0	0	0	0.0	0.0	0.0
4(4)	SCRU HEX A- 8.8					Y						
SI DR M24	M12X30						0075-0236					NO
12	ST24002	032	W97371601254	ST24002		0.0070	0.0	1	0	0.0	0.0	0.0
2(2)	SEALING RING					Y	A21X26					
BO DR	A21X26						0074-0236			IF1		NO
13			AA1041046073	AA10446		0.14	0.0	1	2	0.2	0.0	0.4
2(2)	PIPE 13.5X2.6, L=180					Y	PI 13.5X2.9					
MF DR	ST-BQ-A1-CDS-TUBE		13.2				0072-0236					MR
14	21160518010 00					3.0						
1(1)	FRONT BEARING D72 (ASSLY)					Y						
MF DR			N				0236-0227-0236					
14-1	31160518011 00 00		AA1015227082	AA19332		2.5	0.0	1	1	15.0	0.0	15.0
1(1)	BEARING CASING					Y	BL 100					
FI DR							0072-0356-0359-0236					KG
14-2	HW1285097009		HW12897			0.8	0.0	1	1	0.8	0.0	0.8
1(1)	BABBIT MATERIAL					Y						
MF DR	SPL-TIN-BASED-ALY-ANT-FRICTION						0072-0227					KG
15	21160557010 00					6.0						
1(1)	BEARING DIA106					Y						
MF DR			N				0236-0227-0236					
15-1	31160557011 00 00		AA1015227112	AA19332		5.2	0.0	0	0	0.0	0.0	0.0
1(1)	BEARING CASING					Y	BL 150					
FI DR							0072-0356-0359-0236					KG
15-2	HW1285097009		HW12897			0.8	0.0	0	0	3.2	0.0	3.2
1(1)	BABBIT MATERIAL					Y						
MF DR	SPL-TIN-BASED-ALY-ANT-FRICTION						0072-0227					KG

ENGG			MTE			TTX			WTX		
Initial	Date		Initial	Date		Initial	Date		Initial	Date	
steng	16.03.2007		mtear	26.04.2007		txgcb	11.04.2007		wtxvkd	20.04.2007	
steng	11.04.2007		mtjpm	26.04.2007		txss	27.04.2007		wtxvkd	20.04.2007	
stebsg	02.05.2007		mtjpm	27.04.2007		txdka	27.04.2007		wtxyss	20.04.2007	
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Qty(Total)	Description				Assy. Remarks	Inclusion?	Mat Shape			Remarks		
Type	Cat	Zone	Var/Matl.	Description	ENG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
16	31160501003	02	00	AA1020312025	AA10212	0.02	100.0	2	1	0.035	0.0	0.07
2(2)	KEY PL RND END					Y	REC 10X8					
MF DR E19	8X7X45						0072-0236					
17	ST05005 141			AA1020218088	AA10218	0.01	30.0	1	3	0.2	0.0	0.6
3(3)	PIN CYL. BVL. END					Y	RND 16					
MF DR	12H8X22						0072-0236			1F1		KG
18	ST05005 042			AA1020218070	AA10218	0.0020	25.0	1	2	0.05	0.0	0.1
2(2)	PIN CYL. BVL. END					Y	RND 12					
MF DR	5H8X16						0072-0236			1F1		KG
20				W97371212010		0.0020	0.0	0	0	0.0	0.0	0.0
1(1)	GRUB SCRU IS:6094-71 MAT 10.9					Y						
BO DR G18	GM5X16						0074-0236					NO
22	41160518006 00 00			AA1011808013	AA10108	2.0	50.0X190.0	1	1	0.4	0.0	0.4
1(1)	PLATE					Y	PL 5					
MF DR K19							0072-0301-0236					KG
23				AA7121123045	AA7121123	0.0060	0.0	0	0	0.0	0.0	0.0
3(3)	SCRU HEX A- 8.8					Y						
SI DR L08	M6X16						0075-0236					NO
24				AA7151115016	AA7151115	0.0030	0.0	0	0	0.0	0.0	0.0
3(3)	NUT HEX. A-8					Y						
SI DR K20	M6						0075-0236					NO
25				AA7164002045	AA7164002	0.0010	0.0	0	0	0.0	0.0	0.0
4(4)	WASHER SPRING LOCK SCB-ST					Y						
SI DR K20	6						0075-0236					NO
30	11160501050 00					1.5						
1(1)	REAR BEARING D75				SUB ASSEMBLY	Y						
MF DR F30					N							
30-1	21160501051 00 00			AA1015227090	AA19332	2.0	0.0	0	0	12.1	0.0	12.1
1(1)	BRG.CASING(IN TWO HALVES)					Y	BL 125			FORGING SQ 100		
FI DR							0072-0356-0359-0236					KG

ENGG			MTE			TTX			WTX		
Initial	Date		Initial	Date		Initial	Date		Initial	Date	
steng	16.03.2007		mtear	26.04.2007		txgcb	11.04.2007		wtxvkd	20.04.2007	
steng	11.04.2007		mtjpm	26.04.2007		txss	27.04.2007		wtxvkd	20.04.2007	
stebsg	02.05.2007		mtjpm	27.04.2007		txdka	27.04.2007		wtxyss	20.04.2007	
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Qty(Total)	Description				Assy. Remarks	Inclusion?	Mat Shape			Remarks	Spare Code	Unit
Type	Cat	Zone	Var/Matl.	Description	ENG SIZE/GRP	Fab Wt	Route					
30-2				HW1285097009	HW12897	0.22	0.0	0	0	1.0	0.0	1.0
1(1)	BABBIT MATERIAL					Y				per piece		
RM DR	SPL-TIN-BASED-ALY-ANT-FRICTION						0072-0227					KG
31	21160505020 00					1.0						
2(2)	RING DIA 170					Y						
MF DR				N			0236-0227-0236					
31-1	31160505021 00 00			AA1015227090	AA19332	0.95	0.0	1	4	12.2	0.0	48.8
2(4)	RING CASING					Y	BL 125			FORGING DIA 125		
FI DR							0072-0356-0359-0236					KG
31-2				HW1285097009	HW12897	0.3	0.0	0	0	1.2	0.0	4.8
2(4)	BABBIT MATERIAL					Y				per piece		
RM DR	SPL-TIN-BASED-ALY-ANT-FRICTION						0075-0236					KG
32				HW7123125835	AA7123125	0.0070	0.0	0	0	0.0	0.0	0.0
2(2)	SCRU CAP SOC TH HD A-8.8					Y						
SI DR K20	M6X25						0075-0236					NO
33				AA7171041140	AA7171041	0.0070	0.0	0	0	0.0	0.0	0.0
2(2)	PIN TAPER -ST					Y						
SI DR L09	5X45						0075-0236					NO
34				AA1011713128	AA10113	0.1	17.0X17.0	1	1	0.0060	0.0	0.0060
1(1)	COVER SHT DIA 17X2.5					Y	SH 2.50			SH 2.5 DIA 17.0		
RM DR K17	ST-FE330-SHEET			17.0X2.5			0072-0321-0236					KG
36				AA1011715090	AA10115	0.0010	10.0X10.0	1	2	0.0020	0.0	0.0040
2(2)	COVER SHT.DIA 8XTK1.6					Y	SH 1.6					
RM DR L07	ST-D-SHEET			8.0			0072-0236					KG
37	ST24001 295			W97359902959	ST24001	0.0010	0.0	0	0	0.0	0.0	0.0
2(2)	O-RING					Y	16X2.65					
BO DR	16X2.65						0074-0236			1F1		NO
38				AA1041046073	AA10446	0.6	0.0	1	1	0.9	0.0	0.9
1(1)	PIPE 13.5X2.6, L = 850			MAKE D 13.5X2.6		Y	PI 13.5X2.9					
RM DR M26	ST-BQ-A1-CDS-TUBE			0.85			0072-0236					MR

ENGG			MTE			TTX			WTX		
Initial	Date		Initial	Date		Initial	Date		Initial	Date	
steng	16.03.2007		mtear	26.04.2007		txgcb	11.04.2007		wtxvkd	20.04.2007	
steng	11.04.2007		mtjpm	26.04.2007		txss	27.04.2007		wtxvkd	20.04.2007	
stebsg	02.05.2007		mtjpm	27.04.2007		txdka	27.04.2007		wtxyss	20.04.2007	
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Qty(Total)	Description				Assy. Remarks	Inclusion?	Mat Shape			Remarks		
Type	Cat	Zone	Var/Matl.	Description	ENG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
40	ST40020	021	AA1011819180	AA10119		0.28	42.0X85.0	1	1	1.1	0.0	1.1
1(1)	FLANGE					Y	PL 36					
MF DR	C 10-13.5						0072-0301-0236					KG
43	ST42103	013	AA1011711117	AA10111		0.014	20.0X47.0	1	1	0.02	0.0	0.02
1(1)	PIPE CLIP					Y	SH 2.00					
MF DR	13						0072-0321-0236					KG
44			AA7121123010	AA7121123		0.0040	0.0	0	0	0.0	0.0	0.0
1(1)	SCRU HEX A - 8.8					Y						
SI DR E10	M6X10						0075-0236					NO
45	ST24001	232	W97359902320	ST24001		0.0050	0.0	0	0	0.0	0.0	0.0
1(1)	O-RING					Y	13.2X1.8					
BO DR	13.2X1.8						0074-0291					NO
46			HW7169096030	HW7169096		0.0030	0.0	0	0	0.0	0.0	0.0
6(6)	WASHER TAB A-ST					Y						
SI DR H30	10.5						0075-0236					NO
47			HW7169096048	HW7169096		0.0060	0.0	0	0	0.0	0.0	0.0
4(4)	WASHER TAB A-ST					Y						
SI DR M24	13						0075-0236					NO
48			AA7121123231	AA7121123		0.029	0.0	0	0	0.0	0.0	0.0
6(6)	SCRU HEX A - 8.8					Y						
SI DR H30	M10X30						0075-0236					NO
49	ST40020	032	AA1011819180	AA10119		0.3	42.0X85.0	1	2	1.1	0.0	2.2
2(2)	FLANGE					Y	PL 36					
MF DR	D 10-17.2						0072-0301-0236					KG
50	ST46001	018	AA1020218096	AA10218		0.01	35.0	1	2	0.07	0.0	0.14
2(2)	ORIFICE					Y	RND 18			D18X35		
MF DR	M16X1.5X1.5						0072-0236					KG

	ENGG		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date
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Checked By	steng	11.04.2007	mtjpm	26.04.2007	txss	27.04.2007	wtxvkd	20.04.2007
Approved By	stebgs	02.05.2007	mtjpm	27.04.2007	txdka	27.04.2007	wtxyss	20.04.2007