

**Equipment information**

**Equipment:** 61612001191  
**Type:** TBG12 616VK  
**Output:** 0000500,0 kW  
**Speed:** 1500 1/min  
**Build date:** 01.05.1996  
**KLU-Number:**  
**ETL scope:** EU057010  
**MVS:** 212

**VKU date:** 01.05.1996

**VKU' date:**

**Commissioning date:**

**Begin of guarantee period:**

**Man. begin of guar. period:** no

**End of guarantee period:**

**ID maintenance contract:**

**ID insurance contract:**

**Guarantee package:**

## Assembly group directory

<b>Equipment:</b>	61612001191	<b>Engine type:</b>	TBG12 616VK
<b>Output:</b>	0000500,0 kW	<b>Speed:</b>	1500 1/min
<b>ETL scope:</b>	EU057010		

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>	<b>Designation (en)</b>
<b>1</b>		<b>Crankcase</b>	
1	0509 4788	Crankcase	Crankcase
1	0509 4815	Locating bearing	Locating bearing
1	0509 5261	Crankcase breather	Crankcase breather
1	0509 5358	Main bearing	Main bearing
<b>2</b>		<b>Oil pan</b>	
2	0509 4981	Oil pan	Oil pan
2	0509 5447	Oil filler neck	Oil filler neck
<b>5</b>		<b>Crankshaft</b>	
5	0509 4798	Flywheel	Flywheel
5	0509 5018	Crankshaft	Crankshaft
<b>6</b>		<b>Connecting rod</b>	
6	0509 4732	Connecting rod	Connecting rod
<b>7</b>		<b>Piston</b>	
7	0509 4733	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0509 4978	Cylinder head	Cylinder head
8	0509 5121	Valve mechan.cover	Valve mechan.cover
<b>9</b>		<b>Timing chest</b>	
9	0509 4842	Axle	Axle
9	0509 4843	Axle	Axle
9	0509 4844	Cover	Cover
9	0509 4845	Cover	Cover
9	0509 4846	Cover	Cover
9	0509 4847	Gearcase	Gearcase
9	0509 4858	Crankc. end cover	Crankc. end cover
<b>10</b>		<b>Camshaft</b>	
10	0509 4723	Camshaft	Camshaft
<b>11</b>		<b>Timing gears</b>	
11	0509 4979	Valve drive	Valve drive
11	0509 5017	Actuat. mechanism	Actuat. mechanism
<b>14</b>		<b>Lube oil pump</b>	
14	0509 4973	Gear.oil feed pump	Gear.oil feed pump
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0509 4790	Lubric. oil filter	Lubric. oil filter
15	0509 4809	Oil cooler	Oil cooler
<b>16</b>		<b>Oil pipes</b>	
16	0509 4939	Oil suction line	Oil suction line
16	0509 5080	Oil level control	Oil level control
16	0509 5497	Electr.prelubricat	Electr.prelubricat
16	0509 6700	Lubricat. oil line	Lubricat. oil line
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0509 4448	Intake manifold	Intake manifold
22	0509 4923	Filter	Filter
<b>26</b>		<b>Heater plug installation</b>	
26	0508 9411	Spark plug	Spark plug
26	0508 9428	Ignition system	Ignition system
<b>27</b>		<b>Speed control</b>	

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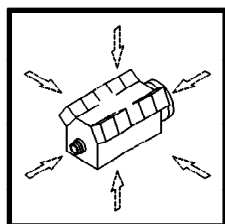
CG	ETL-No.	Designation (en)	Designation (en)
27	0509 5127	Speed adjustment	Speed adjustment
<b>34</b>		<b>Vibration damper</b>	
34	0509 4784	Vibration damper	Vibration damper
34	0509 4990	Guard	Guard
<b>38</b>		<b>Water pipes</b>	
38	0509 5323	Coolant pipe	Coolant pipe
38	0509 5338	Coolant pipe	Coolant pipe
<b>41</b>		<b>Exhaust manifold</b>	
41	0509 5118	Compensator	Compensator
41	0509 5123	Exhaust pipe	Exhaust pipe
41	0509 5211	Exhaust gas bend	Exhaust gas bend
<b>43</b>		<b>Turbocharger</b>	
43	0509 5201	Turbocharger	Turbocharger
43	0509 5324	Turbocharging assy	Turbocharging assy
<b>44</b>		<b>Alternator/starter motor</b>	
44	0509 4090	Starter	Starter
<b>46</b>		<b>Engine mounting, rigid</b>	
46	0509 4734	Engine mounting	Engine mounting
<b>48</b>		<b>Electrical accessories</b>	
48	0508 9522	Waterlevel limiter	Waterlevel limiter
48	0509 2391	Cabling	Cabling
48	0509 2392	Bracket	Bracket
48	0509 4154	Circular plug	Circular plug
48	0509 4176	Socket-outlets	Socket-outlets
48	0509 4584	Cabling	Cabling
48	0509 4587	Resist.thermometer	Resist.thermometer
48	0509 4588	Press. transformer	Press. transformer
48	0509 4696	Speed pickup	Speed pickup
48	0509 4764	Monitoring	Monitoring
48	0509 4921	Resist.thermometer	Resist.thermometer
<b>51</b>		<b>Measuring instruments</b>	
51	0508 9510	Terminal box	Terminal box
<b>52</b>		<b>Clutch</b>	
52	0509 4862	Flywheel housing	Flywheel housing
<b>58</b>		<b>Intercooler</b>	
58	0509 5782	Charge air cooler	Charge air cooler
<b>64</b>		<b>Gas system</b>	
64	0509 4864	Gas line	Gas line
64	0509 5125	Gas mixing valve	Gas mixing valve
<b>90</b>		<b>Set of parts</b>	
90	0509 5365	Gasket set	Gasket set
90	0509 5371	Gasket set	Gasket set
90	0509 5588	Gasket set	Gasket set

ETL no.: 0509 4788 Crankcase

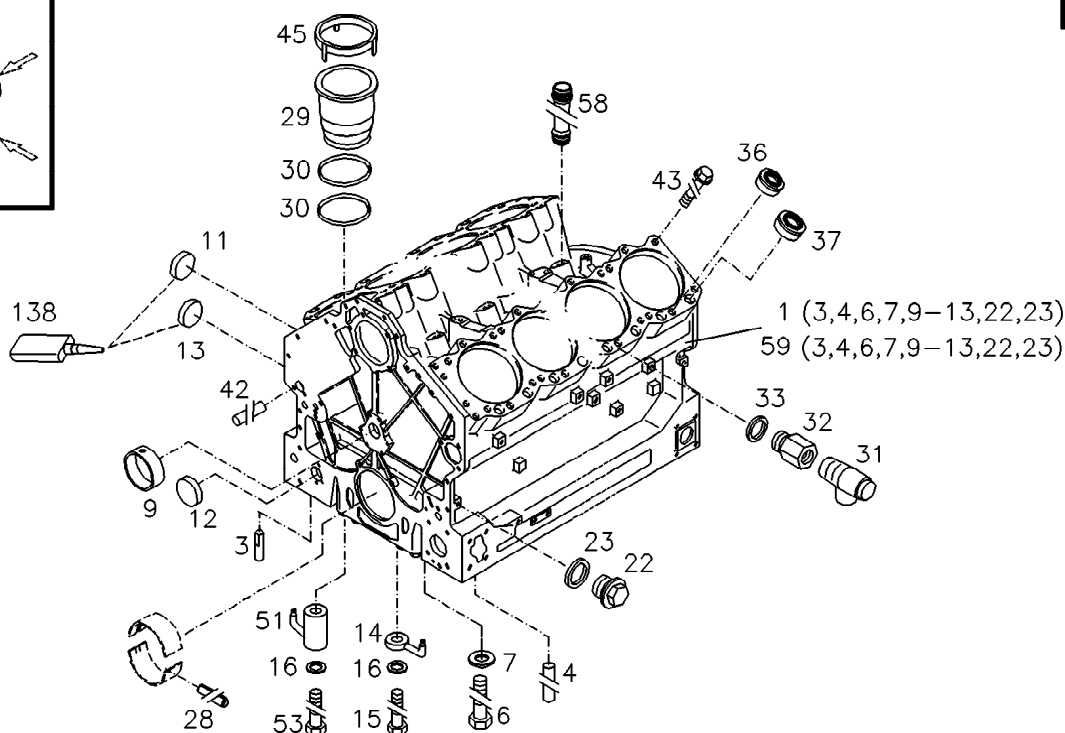
Constr. Group: 01

Equipment: 61612001191  
 Output: 0000500,0 kW  
 ETL scope: EU057010

Engine type: TBG12 616VK  
 Speed: 1500 1/min



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0509 4788

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	12277264		20	20	1	ST		Crankcase	Crankcase	WITH ITEM.... (3,4,6,7,9-13,22,23,24) MIT KLASSIFIKATION WITH CLASSIFICATION AVEC CLASSIFICATION CON CLASSIFICACION
3	12160931				7	ST		Pin	Pin	
4	12160932				7	ST		Pin	Pin	
6	01153796				28	ST		Hexagon bolt	Hexagon bolt	
7	01154443			70	28	ST		Plain washer	Plain washer	
9	12200055	Kit !			6	ST		Bearing bush	Bearing bush	
11	01144676				15	ST		Cover	Cover	
12	01152717				1	ST		Cover	Cover	
13	01152710				3	ST		Cover	Cover	
14	12277184				6	ST		Nozzle	Nozzle	
15	01111151		20	20	6	ST		Hexagon bolt	Hexagon bolt	
16	01107281		10	10	12	ST		Spring washer	Spring washer	
22	01118955				2	ST		Screw plug	Screw plug	
23	01118681				2	ST		Sealing ring	Sealing ring	
24	12190961				1	ST		Bearing bush	Bearing bush	
28	01115413				7	ST		Straight pin	Straight pin	
29	12275301	Kit !			12	ST		Cylinder liner	Cylinder liner	
30	01153816		10	10	24	ST		O-seal	O-seal	

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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
31	12188643				1	ST		Drain valve	Drain valve	
32	12161138				1	ST		Screw connector	Screw connector	
33	01118688				1	ST		Sealing ring	Sealing ring	
36	12313401				24	ST		Gasket	Gasket	
37	12313400				24	ST		Gasket	Gasket	
42	01105181				4	ST		Parallel pin	Parallel pin	
43	12163212				48	ST		Hexagon bolt	Hexagon bolt	
45	12275302				12	ST		Sealing ring	Sealing ring	
51	12312130				6	ST		Nozzle	Nozzle	
53	01111205	90	90		6	ST		Hexagon bolt	Hexagon bolt	
58	12276145				24	ST		Protecting tube	Protecting tube	
59	12277748	90	90		1	ST		Crankcase	Crankcase	WITH ITEM.... (3,4,6,7,9-13,22,23,24) OHNE KLASSIFIKATION WITHOUT CLASSIFICATION SANS CLASSIFICATION SIN CLASSIFICACION
138	01004100		10		1	ST		Safety/lock.agent	Safety/lock.agent	