



Spare Parts Catalog

TCD 2012 L04 2V M s/n 11157434

Equipment information

Equipment: 00011157434
Type: TCD 2012 L04 2V M
Output: 0000074,9 kW
Speed: 2400 1/min
Build date: 26.09.2011
KLU-Number: 2500 9159/70417522
ETL scope: EU614579
MVS: 411

Customer: IML Motori Spa
Location: Lomagna Como
Country: Italy

VKU date: 30.09.2011

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: 1

===DEUTZ WARRANTY PROGRAMME "1"===

===STANDARD WARRANTY FOR SMALL ENGINES===

WARRANTY OF 36 MONTHS FROM COMMISSIONING (IBS), MAX. 42 MONTHS FROM DELIVERY (VKU'), WHATEVER OCCURS FIRST. IN THE 1ST AND 2ND YEAR AFTER IBS, THE WARRANTY REFERS TO ALL PARTS AND COMPONENTS AND IS, IN THE 2ND YEAR AFTER IBS, RESTRICTED TO THE INDICATED NUMBER OF OPERATING HOURS (BH) (ACCUMULATED). THE WARRANTY FOR ALL COMPONENTS ENDS AT THE LATEST 30 MONTHS AFTER VKU'. THE 3RD YEAR AFTER IBS COVERS THE MAIN COMPONENTS CRANKCASE, CRANKSHAFT, CAMSHAFT, CONROD AND CYLINDER HEAD BLANK. IN THE 3RD YEAR AFTER IBS, THE WARRANTY IS RESTRICTED TO THE INDICATED NUMBER OF OPERATING HOURS (ACCUMULATED) PER SERIES. THE WARRANTY FOR THE MAIN COMPONENTS ENDS AT THE LATEST 42 MONTHS AFTER VKU'.

THE CONVERSION OF THE NUMBER OF OPERATING HOURS TO A KM-LIMITATION IS BASED ON AN ASSUMED AVERAGE VELOCITY OF 50 KM/H.

TO ENABLE OUR SUBSIDIARIES AND DEALERS IN EUROPE TO TRANSMIT THE RESPECTIVE STANDARD WARRANTY TO THE OEM'S, AN ADDITIONAL PERIOD OF 3 MONTHS AS TRANSFER TIME TO AND RETENTION TIME IN THE DEUTZ SALES ORGANISATION HAS BEEN PROVIDED FOR. FOR SUBSIDIARIES AND DEALERS OUTSIDE OF EUROPE, THE TRANSFER- AND RETENTION TIME IS 6 MONTHS. IF THE MAXIMUM TRANSFER TIME TO AND RETENTION TIME IN THE DEUTZ SALES ORGANISATION OF 3 OR 6 MONTHS IS EXCEEDED, THE WARRANTY DURATION IS ACCORDINGLY REDUCED. IT MUST BE OBSERVED THAT ENGINES STORED FOR A LONGER PERIOD OF TIME MUST BE CHECKED BY THE DEUTZ SALES ORGANISATION PRIOR TO BEING DELIVERED TO THE OEM. IT MUST BE MADE SURE THAT ONLY ENGINES IN PROPER CONDITION MEETING THE LATEST STATE OF THE ART ARE DELIVERED TO THE CUSTOMER.

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RESTRICTION OF RUNNING HOURS ENGINES

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SERIES	2YD YEAR FROM IBS	3RD YEAR FROM IBS
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2009, 2011, 2.9, 3.6, , , , , ,	MAX. 2.000 RH	MAX. 3.000 RH
1013, 2012, 2013, 91X, 4.1, 6.1, 7.8	MAX. 3.000 RH	MAX. 4.500 RH

Equipment information

413, 513, 1015, 2015, 12.0, 16.0 MAX. 5.000 RH MAX. 7.500 RH

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Assembly group directory

Equipment:	00011157434	Engine type:	TCD 2012 L04 2V M
Output:	0000074,9 kW	Speed:	2400 1/min
ETL scope:	EU614579		

CG	ETL-No.	Designation (en)	Designation (en)
1		Crankcase	
1	0507 0027	Plug	Plug
1	0507 1876	Crankcase breather	Crankcase breather
1	0507 2355	Piston cool.nozzle	Piston cool.nozzle
1	0507 2650	Blanking parts	Blanking parts
1	0507 2810	Bush	Bush
1	0507 2823	Fastenings	Fastenings
1	0507 4909	Oil gauge	Oil gauge
1	0511 1183	Dipstick	Dipstick
1	0511 1787	Crankcase	Crankcase
1	0511 4165	Crankcase breather	Crankcase breather
1	0511 8851	Frontcover-oilpump	Frontcover-oilpump
2		Oil pan	
2	0507 0162	Oil pan	Oil pan
5		Crankshaft	
5	0507 0346	Flywheel	Flywheel
5	0507 0383	Fastenings	Fastenings
5	0507 2184	V-belt pulley assy	V-belt pulley assy
5	0507 2759	Plug	Plug
5	0511 8117	Crankshaft	Crankshaft
6		Connecting rod	
6	0511 3527	Connecting rod	Connecting rod
7		Piston	
7	0507 6440	Piston	Piston
8		Cylinder head	
8	0507 0164	Engine mounting	Engine mounting
8	0507 0427	Valve mechan.cover	Valve mechan.cover
8	0507 4490	Blanking parts	Blanking parts
8	0507 6245	Engine mounting	Engine mounting
8	0511 3070	Fastenings	Fastenings
8	0511 4167	Cylinder head	Cylinder head
9		Timing chest	
9	0511 8192	Gearcase	Gearcase
10		Camshaft	
10	0511 8112	Camshaft	Camshaft
11		Timing gears	
11	0507 4436	Valve drive	Valve drive
15		Lube oil/-cooler	
15	0507 4989	Fastenings	Fastenings
15	0507 4991	Fastenings	Fastenings
15	0507 4992	Blanking parts	Blanking parts
15	0511 4647	Oil cooler box	Oil cooler box
15	0511 8200	Spin-on filter	Spin-on filter
15	0511 9783	Oil cooler	Oil cooler
16		Oil pipes	
16	0507 0503	Oil suction pipe	Oil suction pipe
17		Injection pump	
17	0507 8694	Fuel inject. pump	Fuel inject. pump
17	0507 8695	Fastenings	Fastenings

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ETL scope:	EU614579		

CG	ETL-No.	Designation (en)	Designation (en)
17	0511 4391	Roller tappet	Roller tappet
19		Injector	
19	0507 8022	Fastenings	Fastenings
19	0511 4094	Fuel injector	Fuel injector
20		Fuel filter	
20	0500 3289	Hollow screw	Hollow screw
20	0507 1031	Fastenings	Fastenings
20	0507 1049	Mating part	Mating part
20	0507 8200	Fuel prefilter	Fuel prefilter
20	0511 1104	Fuel pump	Fuel pump
20	0511 1121	Fuel filter	Fuel filter
20	0511 1905	Supply pump	Supply pump
21		Fuel pipes/fuel tank	
21	0507 2978	High pressure pipe	High pressure pipe
21	0507 6305	Fuel line	Fuel line
21	0507 6309	Fuel line	Fuel line
21	0507 6312	Back leak.connect.	Back leak.connect.
21	0507 6314	Hose nipple	Hose nipple
21	0507 6456	Rubber seal	Rubber seal
21	0511 4080	Non-return valve	Non-return valve
22		Suction pipe/air cleaner	
22	0511 4758	Charge air pipe	Charge air pipe
22	0511 8251	Blanking parts	Blanking parts
27		Speed control	
27	0507 0040	Fastenings	Fastenings
27	0507 2394	Fastenings	Fastenings
27	0507 2436	Control rod	Control rod
27	0507 4540	Idler gear	Idler gear
27	0507 6390	Pilot line	Pilot line
27	0511 4686	Controller	Controller
37		Cooling water pump	
37	0507 2183	Narrow v-belt	Narrow v-belt
37	0507 2448	Fastenings	Fastenings
37	0507 4914	Driving parts	Driving parts
37	0511 8199	Coolant pump	Coolant pump
38		Water pipes	
38	0507 4987	Outlet/exh.branch	Outlet/exh.branch
38	0507 6877	Thermostat	Thermostat
38	0507 7991	Connection	Connection
38	0511 1368	Screw plug	Screw plug
38	0511 1546	Water thermostat	Water thermostat
39		Cooling air blower	
39	0507 1039	Fan drive	Fan drive
41		Exhaust manifold	
41	0507 8239	Gasket	Gasket
41	0511 4124	Exhaust pipe	Exhaust pipe
43		Turbocharger	
43	0507 7667	Turbocharger	Turbocharger
43	0507 8837	Return line	Return line
43	0507 8838	Lubricat. oil line	Lubricat. oil line

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ETL scope:	EU614579		

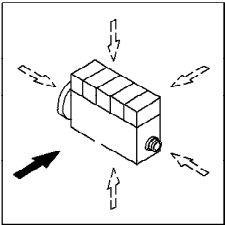
CG	ETL-No.	Designation (en)	Designation (en)
44		Alternator/starter motor	
44	0507 0157	Fastenings	Fastenings
44	0507 7772	Accessories	Accessories
44	0507 7774	Narrow v-belt	Narrow v-belt
44	0507 9558	V-grooved pulley	V-grooved pulley
44	0511 8050	Starter	Starter
44	0511 8187	Generator	Generator
46		Engine mounting, rigid	
46	0507 1239	Accessories	Accessories
46	0507 1240	Accessories	Accessories
48		Electrical accessories	
48	0507 0149	Blanking parts	Blanking parts
48	0507 6439	Blanking parts	Blanking parts
48	0507 8500	Plug-in connector	Plug-in connector
48	0511 1206	Temper.transmitter	Temper.transmitter
48	0511 1231	Oil pressur.switch	Oil pressur.switch
48	0511 3896	Plug-in connector	Plug-in connector
48	0511 4144	Cable harness	Cable harness
48	0511 4145	Fastenings	Fastenings
52		Clutch	
52	0507 0032	Fastenings	Fastenings
52	0511 4149	Connection housing	Connection housing
52	0511 5983	Bush	Bush
56		Engine shutdown	
56	0507 6186	Accessories	Accessories
56	0511 1785	Shutdown device	Shutdown device
63		Starting aid	
63	0507 6386	Heating flange	Heating flange
63	0511 1903	Blanking parts	Blanking parts
75		Heating system	
75	0507 1162	Blanking parts	Blanking parts
83		Hydraulic pump	
83	0507 0067	Blanking parts	Blanking parts
83	0507 0187	Lubricat. oil line	Lubricat. oil line
83	0507 8117	Blanking parts	Blanking parts
90		Set of parts	
90	0507 0283	Cool.syst.protect.	Cool.syst.protect.
90	0507 7744	Gasket set	Gasket set
90	0511 9030	Engine oil	Engine oil
98		Optional extras	
98	0111 8688	Sealing ring	Sealing ring
98	0114 8836	Sealing ring	Sealing ring
98	0118 0071	Hose clip	Hose clip
98	0118 1127	Protecting cap	Protecting cap
98	0118 3399	Hollow screw	Hollow screw
98	0420 8849	Fastenings	Fastenings
98	0420 8850	Fastenings	Fastenings
98	0425 4539	Main bearing liner	Main bearing liner
98	0425 4734	Charge air elbow	Charge air elbow
98	0428 4825	Blanking parts	Blanking parts

ETL no.: 0507 0027 Plug

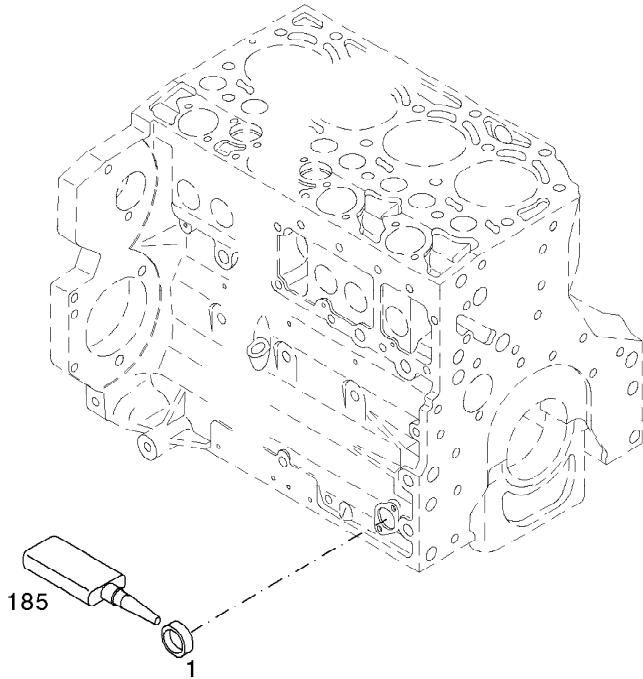
Constr. Group: 01

Equipment: 00011157434
Output: 0000074,9 kW
ETL scope: EU614579

Engine type: TCD 2012 L04 2V M
Speed: 2400 1/min



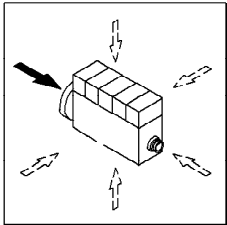
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Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	01179634		20	20	1	ST		Core hole plug	Core hole plug	
185	01016127		20	20	1	KG		Safety/lock.agent	Safety/lock.agent	

ETL no.: 0507 1876 Crankcase breather Constr. Group: 01

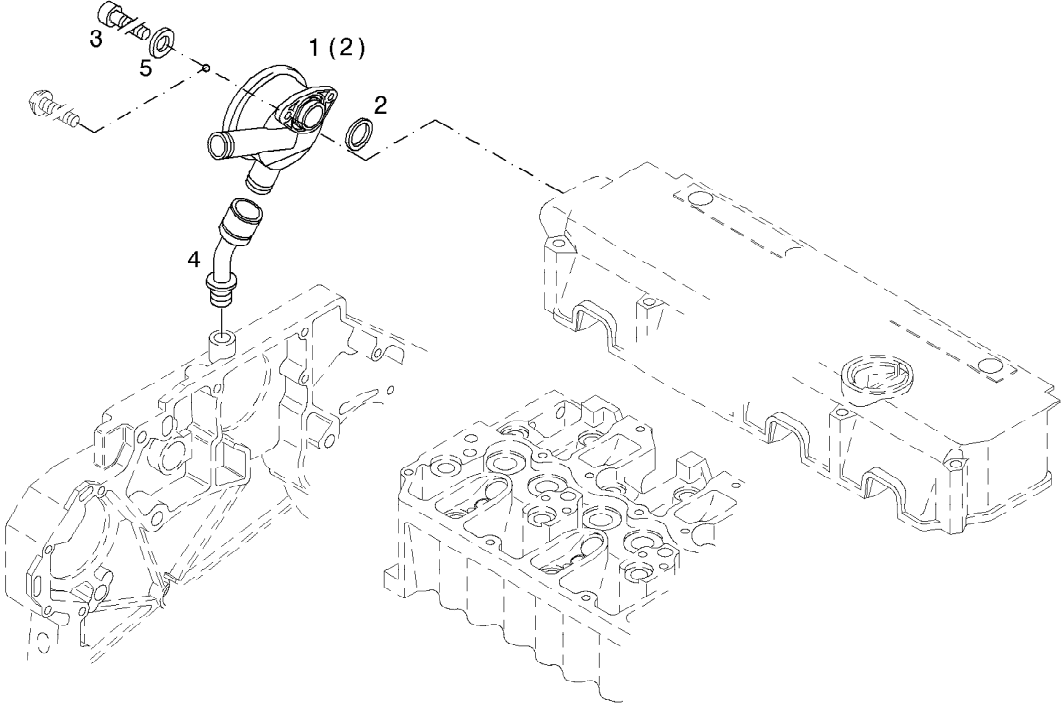
Equipment:	00011157434	Engine type:	TCD 2012 L04 2V M
Output:	0000074,9 kW	Speed:	2400 1/min
ETL scope:	EU614579		



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from month of manufacture:
a partir mois de montage:
a partir del mes de fabricacion:]

09.95

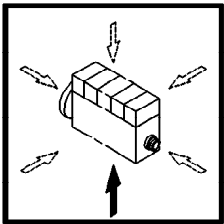
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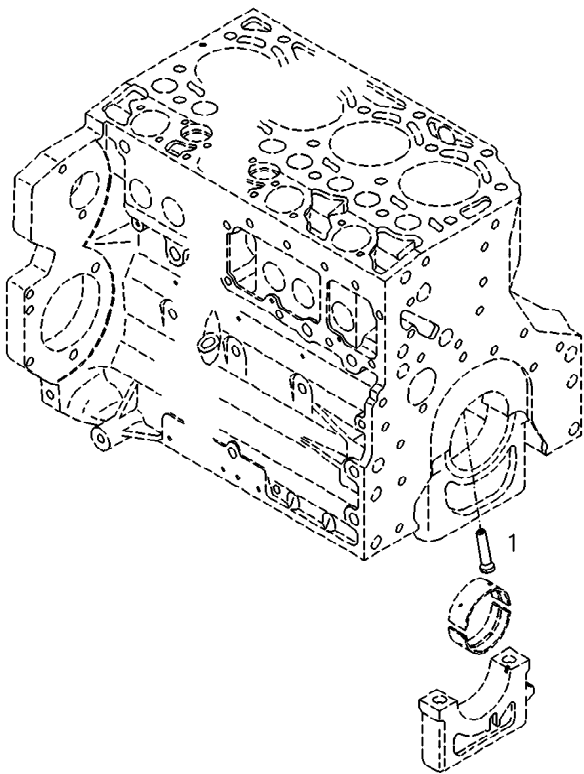
Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04203321		90	90	1	ST		Pressure regulator	Pressure regulator	WITH ITEM.... (2)
2	04206233	Kit !			1	ST		Gasket	Gasket	
3	01148431				2	ST		Cheese head screw	Cheese head screw	FROM MNFG MONTH (A) UP TO MNFG MONTH SEE IT EM (B) A = 09.1995 B = Pos.950
4	04207290				1	ST		Rubber sleeve	Rubber sleeve	
5	01124654				2	ST		Plain washer	Plain washer	
950	01181965				2	ST		Hexagon bolt	Hexagon bolt	UP TO MNFG MONTH (A) FROM MNFG MONTH SEE ITE M (B) A = 08.1995 B = Pos.3

ETL no.: 0507 2355 Piston cool.nozzle Constr. Group: 01

Equipment:	00011157434	Engine type:	TCD 2012 L04 2V M
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ETL scope:	EU614579		



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0507 2355

Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	04207521	Kit !		1	ST		Piston cool.nozzle	Piston cool.nozzle	

ETL no.: 0507 2650 Blanking parts Constr. Group: 01

Equipment:

Output:

ETL scope:

00011157434

0000074,9 kW

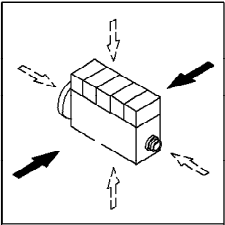
EU614579

Engine type:

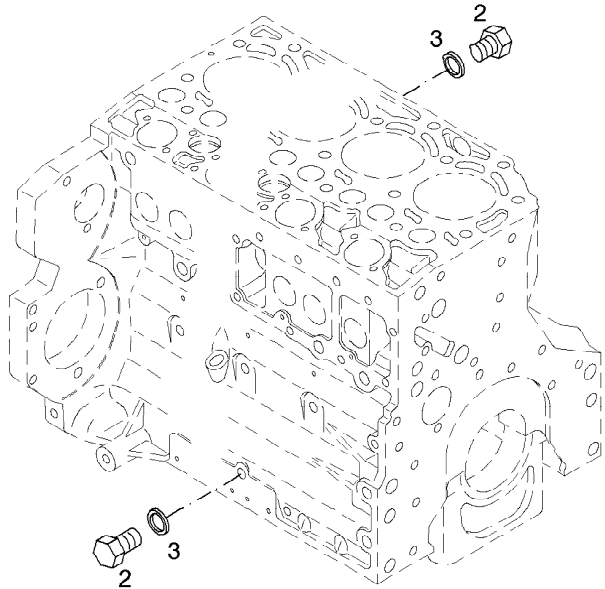
Speed:

TCD 2012 L04 2V M

2400 1/min



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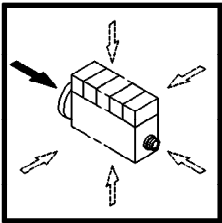
Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
2	01148220				2	ST		Hexagon bolt	Hexagon bolt	
3	01118647				2	ST		Sealing ring	Sealing ring	

ETL no.: 0507 2810 Bush

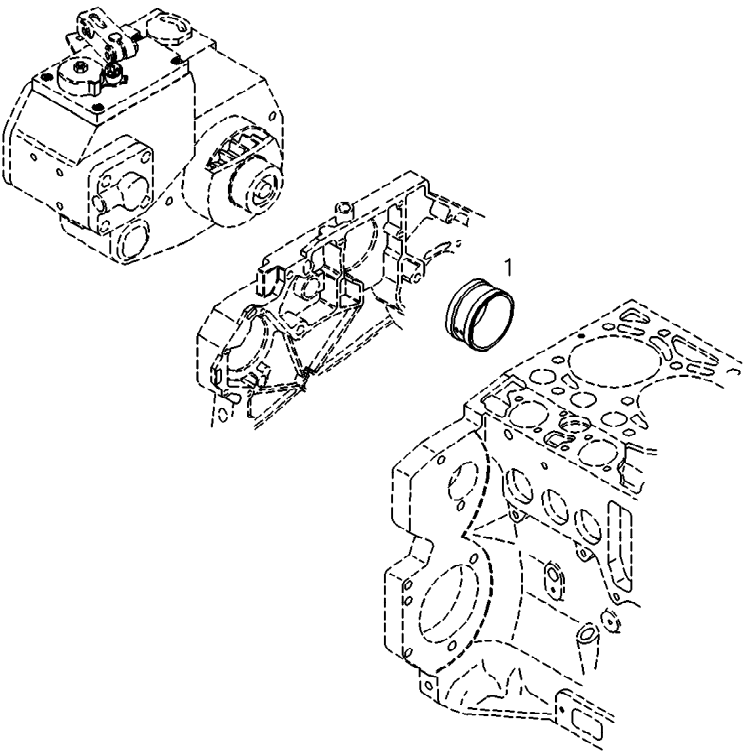
Constr. Group: 01

Equipment: 00011157434
Output: 0000074,9 kW
ETL scope: EU614579

Engine type: TCD 2012 L04 2V M
Speed: 2400 1/min



002



0507 2810

Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (en)	Remark
1	02111679			1	ST		Bush	Bush	

Materials order list

Order:
User:
Date of maintenance measure:

Customer:
Reference:
Equipment: 00011157434

Date/Time: 2024.03.06 12:53:35
EL-ID: 20122; EL-No.: 03123533
Equipment: 00011157434
Engine type: TCD 2012 L04 2V M
Materials for maintenance measure:
E30 -- inspection
E40 -- 1st extended inspection
E45 -- Maintenance work as per plan
E50 -- 2nd extended inspection
E60 -- intermediate overhaul
E60 T3 -- E60 only TIER 3 parts
E70 -- major overhaul
T3 ZU -- TIER 3 auxiliary parts from experience in the field

No	Qty	Material	MS VS	Weight	Total ..	Unit Price	Total Price	Designation	from ETL	AG	Item	Service	EL-ID	ID-No.	Quantity used
0001000	2	0113 3631		0,049	0,098			Screw plug	0507 0162	2	2	E30	20122	0020002	2
0002000	3	0114 8891		0,002	0,006			Sealing ring	0507 0162	2	3	E30	20122	0020003	3
0003000	1	0118 3574		0,750	0,750			Spin-on oil filter	0511 8200	15	1	E30	20122	0150021	1
0004000	2	0113 3631		0,049	0,098			Screw plug	0507 0162	2	2	E40	20122	0020002	2
0005000	3	0114 8891		0,002	0,006			Sealing ring	0507 0162	2	3	E40	20122	0020003	3
0006000	1	0118 3574		0,750	0,750			Spin-on oil filter	0511 8200	15	1	E40	20122	0150021	1
0007000	1	0118 0597		0,372	0,372			Spin-on fuel filt.	0511 1121	20	1	E40	20122	0200040	1
0008000	1	0111 8688		0,005	0,005			Sealing ring	0507 8200	20	6	E40	20122	0200046	1
0009000	2	0113 3631		0,049	0,098			Screw plug	0507 0162	2	2	E45	20122	0020002	2
0010000	3	0114 8891		0,002	0,006			Sealing ring	0507 0162	2	3	E45	20122	0020003	3
0011000	1	0428 3391		0,035	0,035			Gasket	0507 0427	8	8	E45	20122	0080031	1
0012000	1	0118 3574		0,750	0,750			Spin-on oil filter	0511 8200	15	1	E45	20122	0150021	1
0013000	1	0420 6233		0,001	0,001			Gasket	0511 4165	1	6	E50	20122	0010063	1
0014000	2	0113 3631		0,049	0,098			Screw plug	0507 0162	2	2	E50	20122	0020002	2
0015000	3	0114 8891		0,002	0,006			Sealing ring	0507 0162	2	3	E50	20122	0020003	3
0016000	1	0118 3574		0,750	0,750			Spin-on oil filter	0511 8200	15	1	E50	20122	0150021	1
0017000	1	0118 0597		0,372	0,372			Spin-on fuel filt.	0511 1121	20	1	E50	20122	0200040	1
0018000	1	0111 8688		0,005	0,005			Sealing ring	0507 8200	20	6	E50	20122	0200046	1
0019000	1	0420 6233		0,001	0,001			Gasket	0511 4165	1	6	E60	20122	0010063	1
0020000	2	0113 3631		0,049	0,098			Screw plug	0507 0162	2	2	E60	20122	0020002	2
0021000	3	0114 8891		0,002	0,006			Sealing ring	0507 0162	2	3	E60	20122	0020003	3
0022000	1	0428 3391		0,035	0,035			Gasket	0507 0427	8	8	E60	20122	0080031	1