

Equipment information

Equipment:	00002205805
Type:	TBD 8 616V
Output:	0000480,0 kW
Speed:	2100 1/min
Build date:	10.06.2005
KLU-Number:	
ETL scope:	EU529808
MVS:	223
Customer:	IML MOTORI S.P.A.
Location:	LOMAGNA (LC)
Country:	Italy
VKU date:	17.06.2005
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:	2

Assembly group directory

Equipment:	00002205805	Engine type:	TBD 8 616V
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CG	ETL-No.	Designation (en)	Designation (de)
1		Crankcase	
1	0509 4815	Locating bearing	Passlager
1	0509 5140	Crankcase breather	Kurb.Geh.Entlueft.
1	0509 5223	Mating part	Anschlussteil
1	0509 5358	Main bearing	Kurbelwellenlager
1	0509 6257	Crankcase	Kurbelgehaeuse
1	0509 6577	Engine mounting	Motoraufhaengung
2		Oil pan	
2	0509 5498	Oil filler neck	Oeleinfullstutzen
2	0509 6581	Oil pan	Oelwanne
5		Crankshaft	
5	0509 4773	Crankshaft	Kurbelwelle
5	0509 4865	Flywheel	Schwungrad
5	0509 5295	Mass balancer	Massenausgleich
5	0509 6211	V-grooved pulley	Keilriemenscheibe
6		Connecting rod	
6	0509 6323	Connecting rod	Pleuelstange
6	0509 6411	Big end bearing	Pleuellager
7		Piston	
7	0509 6407	Piston	Kolben
8		Cylinder head	
8	0509 5122	Valve mechan.cover	Zylinderkopfhaube
8	0509 6082	Cylinder head	Zylinderkopf
9		Timing chest	
9	0509 4842	Axle	Achse
9	0509 4844	Cover	Deckel
9	0509 4845	Cover	Deckel
9	0509 4847	Gearcase	Raederkasten
9	0509 5477	Crankc. end cover	Stirnwanddeckel
10		Camshaft	
10	0509 4777	Camshaft	Nockenwelle
11		Timing gears	
11	0509 4979	Valve drive	Steuerungsteile
11	0509 6458	Actuat. mechanism	Ventilbetaetigung
14		Lube oil pump	
14	0509 4705	Lubricat. oil pump	Schmieroelpumpe
15		Lube oil/-cooler	
15	0509 4791	Lubric. oil filter	Schmieroelfilter
15	0509 6117	Oil cooler	Oelkuehler
16		Oil pipes	
16	0509 5482	Oil suction line	Oelsaugleitung
16	0509 6173	Lubricat. oil line	Schmieroelleitung
17		Injection pump	
17	0509 5096	Fastenings	Befestigungsteile
17	0509 5277	Fuel inject. pump	Einspritzpumpe
17	0509 5443	Fuel supply pump	Kr.Stoff-Foerd.Ppe
17	0509 5492	Parts inject.pump	Teile Zur E.Pumpe
17	0509 5493	Parts of governor	Teile Drehz.Regler
17	0509 5494	Parts of governor	Teile Drehz.Regler

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17	0509 5595	Parts inject.pump	Teile Zur E.Pumpe
17	0509 6062	Parts inject.pump	Teile Zur E.Pumpe
18		Injection pump drive	
18	0509 4817	Inject. pump drive	Einspritzp.Antrieb
18	0509 5808	Shaft coupling	Wellenkupplung
19		Injector	
19	0509 6025	Fuel injector	Einspritzventil
20		Fuel filter	
20	0509 1688	Fuel filter	Kraftstofffilter
20	0509 5013	Fuel filter/pipe	Krst.Filter/Leitg.
20	0509 6126	Accessories	Anbauteile
20	0509 6655	Fuel pump	Kraftstoffpumpe
21		Fuel pipes/fuel tank	
21	0509 1983	Hose assembly	Schlauchleitung
21	0509 4886	High pressure pipe	Einspritzleitung
21	0509 5194	Pipe/line/lead	Leitung
21	0509 6592	Hose assembly	Schlauchleitung
21	0509 6593	Hose assembly	Schlauchleitung
21	0509 6626	Fuel line	Kraftstoffleitung
22		Suction pipe/air cleaner	
22	0507 6508	Service gauge	Wartungsanzeiger
22	0509 4875	Intake manifold	Luftansaugrohr
22	0509 5001	Filter	Trockenluftfilter
22	0509 5144	Air filter fitment	Luftfilteranbau
27		Speed control	
27	0509 5426	Engine speed contr	Drehzahlfeinverst.
34		Vibration damper	
34	0509 5206	Vibration damper	Schwings.Daempfer
37		Cooling water pump	
37	0509 1822	Cooling water pump	Kuehlwasserpumpe
37	0509 5053	Idler gear	Zwischenrad
37	0509 5605	Tensioning pulley	Spannrolle
37	0509 5608	Pump assy	Kreiselpumpe-Anbau
37	0509 6118	Centrifugal pump	Kreiselpumpe
38		Water pipes	
38	0509 5145	Compensator	Kompensator
38	0509 5965	Breather line	Entlueftungs.Leit.
38	0509 5966	Breather line	Entlueftungs.Leit.
38	0509 5992	Cooling water line	Kuehlwasserleitung
38	0509 6481	Coolant pipe	Kuehlmittelleitung
38	0509 8021	Coolant pipe	Kuehlmittelleitung
41		Exhaust manifold	
41	0509 4679	Compensator	Kompensator
41	0509 4997	Exhaust pipe	Abgasleitung
41	0509 5666	Exhaust gas bend	Abgaskruemmer
43		Turbocharger	
43	0509 5160	Turbocharger	Abgasturbolader
43	0509 6303	Turbocharging assy	Aufladegruppe
43	0509 6460	Insulation	Isolierung

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44		Alternator/starter motor	
44	0500 3725	Protecting cap	Schutzkappe
44	0509 0681	Cover	Abdeckung
44	0509 4210	Starter	Starter
44	0509 5562	Parts start.motor	Teile Zum Starter
44	0509 5611	Narrow v-belt	Schmalkeilriemen
46		Engine mounting, rigid	
46	0509 6389	Engine mounting	Motorlagerung
48		Electrical accessories	
48	0508 2247	Rectifier	Gleichrichter
48	0509 5431	Cabling	Verkabelung
48	0509 6131	Pick-up	Messwertgeber
48	0509 6522	Switch mounting	Druckwaechteranbau
52		Clutch	
52	0509 4810	Flywheel housing	Schwungradgehaeuse
56		Engine shutdown	
56	0509 5984	Shutdown device	Motorabstellung
58		Intercooler	
58	0509 5142	Bracket	Halter
58	0509 5993	Cooler assembly	Ladeluftk.Anbau
90		Set of parts	
90	0509 5360	Gasket set	Dichtungssatz
90	0509 5371	Gasket set	Dichtungssatz
90	0509 5587	Gasket set	Dichtungssatz

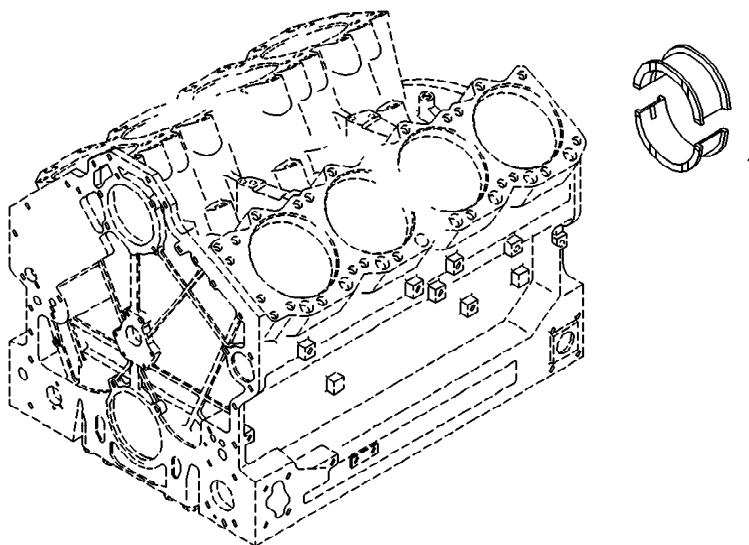
ETL no.: 0509 4815 Locating bearing

Constr. Group: 01

Equipment: 00002205805
Output: 0000480,0 kW
ETL scope: EU529808

Engine type: TBD 8 616V
Speed: 2100 1/min

002



0509 4815

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (de)	Remark
1	12276203	Kit !			1	ST		Locating bearing	Passlager	

ETL no.: 0509 5140 Crankcase breather Constr. Group: 01

Equipment:

Output:

ETL scope:

00002205805

0000480,0 kW

EU529808

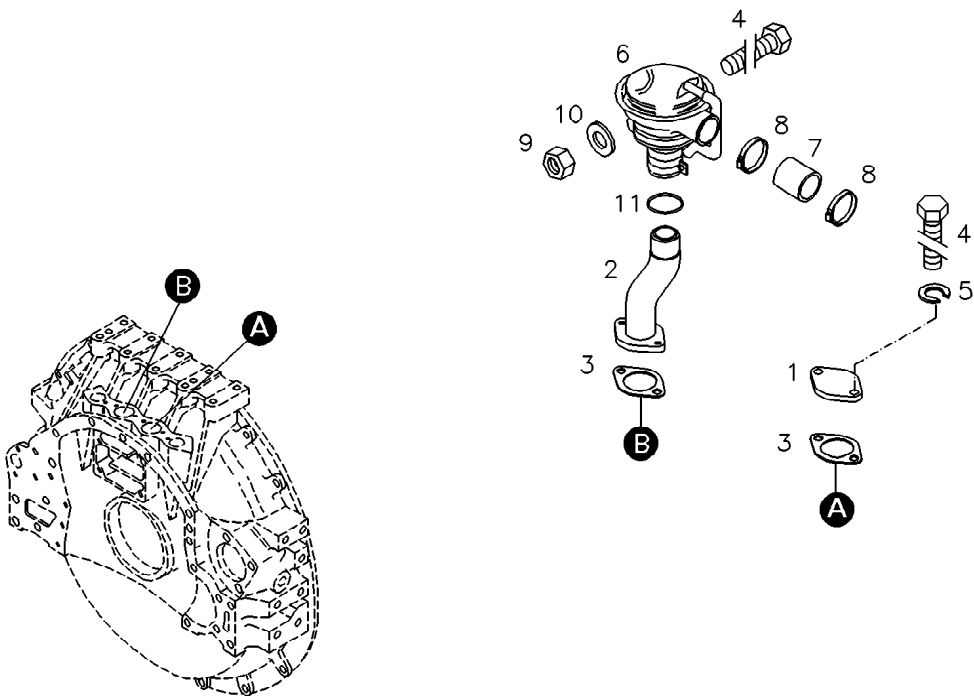
Engine type:

Speed:

TBD 8 616V

2100 1/min

001



0509 5140

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (de)	Remark
1	01215164				1	ST		Oval flange	Blindovalflansch	
2	12276913				1	ST		Flanged socket	Flanschstutzen	
3	01178421				2	ST		Gasket	Dichtung	
4	01137083		20	20	4	ST		Hexagon bolt	Sechskantschraube	
5	01177981				4	ST		Spring lock washer	Sperrkantring	
6	12270354	Kit !			1	ST		Oil separator	Oelabscheider	
7	12163475	Kit !			1	ST		Tubing connection	Schlauchstueck	
8	01177986	Kit !			2	ST		Hose clip	Schlauchschelle	
11	01153892	Kit !	90	90	1	ST		O-seal	Runddichtring	

Materials order list

Order:
User:
Date of maintenance measure:

Customer:
Reference:
Equipment: 00002205805

Date/Time: 2025.01.24 17:54:48

EL-ID: _616D; EL-No.: 09999999

Equipment: 00002205805

Engine type: TBD 8 616V

Materials for maintenance measure:

E10 -- Initial maintenance

E23 -- maintenance work as per plan

E25 -- maintenance work as per plan

E30 -- inspection

E40 -- 1st extended inspection

E50 -- 2nd extended inspection

E60 -- intermediate overhaul

E70 -- major overhaul

KT (eFHa) -- classification parts (cabotage, main engine)

KT (uFHa) -- classification parts (ocean navigation, main engine)

KT (uFHi) -- classification parts (ocean navigation, auxiliary engine)

RS Zyl.K -- repair kit cylinder head

No	Qty	Material	MS	VS	Weight	Total ..	Unit Price	Total Price	Designation	from ETL	AG	Item	Service	EL-ID	ID-No.	Quantity used
0001000	1	0118 2256	10	10	1,160	1,160			Spin-on oil filter	0509 4791	15	1	E10	_616D	0150024	1
0002000	1	0118 2256	10	10	1,160	1,160			Spin-on oil filter	0509 4791	15	1	E25	_616D	0150024	1
0003000	8	1231 3326			0,004	0,032			Sealing ring	0509 6025	19	7	E25	_616D	0190007	8
0004000	1	0117 4422			0,548	0,548			Spin-on fuel filt.	0509 1688	20	2	E25	_616D	0200023	1
0005000	1	0118 2256	10	10	1,160	1,160			Spin-on oil filter	0509 4791	15	1	E30	_616D	0150024	1
0006000	8	1231 3326			0,004	0,032			Sealing ring	0509 6025	19	7	E30	_616D	0190007	8
0007000	1	0117 4422			0,548	0,548			Spin-on fuel filt.	0509 1688	20	2	E30	_616D	0200023	1
0008000	8	1227 7677			0,018	0,144			Shaped packing	0509 5122	8	2	E40	_616D	0080022	8
0009000	16	0111 8654			0,001	0,016			Sealing ring	0509 5122	8	5	E40	_616D	0080024	16
0010000	1	0118 2256	10	10	1,160	1,160			Spin-on oil filter	0509 4791	15	1	E40	_616D	0150024	1
0011000	16	0121 2509			0,001	0,016			O-seal	0509 6025	19	4	E40	_616D	0190004	16
0012000	8	0115 3878			0,002	0,016			O-seal	0509 6025	19	5	E40	_616D	0190005	8
0013000	8	0115 3884			0,002	0,016			O-seal	0509 6025	19	6	E40	_616D	0190006	8
0014000	8	1231 3326			0,004	0,032			Sealing ring	0509 6025	19	7	E40	_616D	0190007	8
0015000	1	0117 4422			0,548	0,548			Spin-on fuel filt.	0509 1688	20	2	E40	_616D	0200023	1
0016000	8	1227 7677			0,018	0,144			Shaped packing	0509 5122	8	2	E50	_616D	0080022	8
0017000	16	0111 8654			0,001	0,016			Sealing ring	0509 5122	8	5	E50	_616D	0080024	16
0018000	1	0118 2256	10	10	1,160	1,160			Spin-on oil filter	0509 4791	15	1	E50	_616D	0150024	1