

TESTREPORT

Engine 13196

Engine nr. : 13196
Client : Ashkida
Application : CPP
Type : SBV6M628
Classification : Lloyds
Year of manufacturing : 2007

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PRINCIPAL PARTICULARS

- Cylinder diameter	:	240	mm
- Stroke	:	280	mm
- Number of cylinders	:	6	
- Output	:	1030	kW
- Speed	:	1000	r.p.m
- Firing order	:	1-5-3-6-2-4	
- Rotation (viewing flywheel)	:	CCW	
- Engine driven pumps	:	3	
- Oilcooler on Engine	:	yes	

NOMINAL VALVE TIMING IN CRANKDEGREES

- Inletvalve is opened	:	44 ° b.t.d.c.
- Inletvalve is closed	:	24 ° a.b.d.c.
- Exhaustvalve is opened	:	53 ° b.b.d.c.
- Exhaustvalve is closed	:	39 ° a.t.d.c.
- Moment of injection	:	25 ° b.t.d.c.

VALVE CLEARANCE

- Valve clearance inlet	:	0,2 mm
- Valve clearance exhaust	:	0,5 mm

ALARM AND SAFETY DEVICES

- Overspeed	:	1150 rpm
- lub oil press. Low stop	:	2,0 bar
- H.T. temp. high stop	:	95 ° C setpoint
- Charge air temp. alarm	:	65 ° C setpoint
- H.T. temp. high alarm	:	85 ° C setpoint

SPEED MONITORING RELAYS

- Safety system operates at	:	250 rpm
- Safety system switches at	:	500 rpm
- Overspeed operates at	:	1150 rpm

APPLIED FUEL AND LUBRICATING OIL DURING THE TEST

- Fuel oil quality	:	LFO
- Density	:	843,3 kg/m³ at 15 °C
- Caloric value	:	43100 kJ/kg
- Lubricating oil quality	:	SAE40 Gadinia AL40

Catalogue

WÄRTSILÄ	D628
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SVB6M628

13196



Document	Catalogue
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Engine type	SVB6M628
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Engine no.	13196
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Document file no.	13196	Date December 2007
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Introduction

The Spare Parts Catalogue provides the necessary information for ordering parts.

Arrangement of Catalogue

The Spare Parts Catalogue is composed of:

- Drawings (Bild-Tafel) with item numbers (Fig. No)
- Parts lists showing the item number (Fig. No), part number, denomination and quantity per (sub-) assembly of each part.

Ordering Parts

When ordering parts please include the following information:

Installation Data:

- Engine Number (see name plate of the engine)
- Engine Type
- Name of ship or Installation

Parts Data:

- Part Number and Description
- Number of Illustration (Bild-Tafel)
- Serial (unique) Number of the Part (if available)
- Quantity of required parts

Shipment Data:

- Invoicing Address
- Forwarding Address
- Type of Shipment

The supply of spares is subject to our General Terms and Conditions for the sales of Spare Parts.

Ordering Address

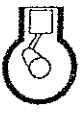




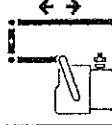


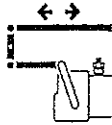













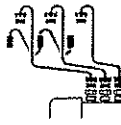


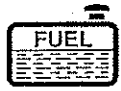



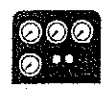
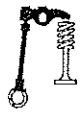


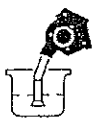



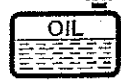
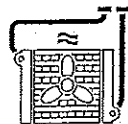
The parts required should be ordered direct from Wärtsilä Nederland or from one of the service stations, workshops and ship repair centres that form our service network in 60 countries worldwide.

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Baugruppenübersicht
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Motores




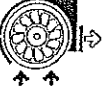






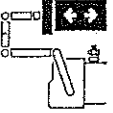
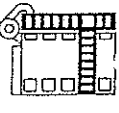







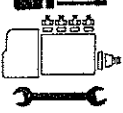














s3901-I

01 Kurbelgehäuse Crankcase Carter Carter		15 Schmierölkühler Lube oil cooler Radiateur d'huile de graissage Refrigerador de aceite lubricante		26 Glühanlage Heater plug installation Equiptement de prechauffage Sistema de incandescencia	
01 Kurbelgehäuse Crankcase Carter Carter		15 Schmierölfilter Lube oil filter Filtre a huile-moteur Filtro de aceite lubricante		27 Regler Controller Regulateur Regulador	
02 Ölwanne Oil pan Carter d'huile Sumidero de aceite		16 Ölleitungen Oil pipes Conduites d'huile Tuberías de aceite		29 Reguliergestänge Control linkage Tringletie de controle Varillaje de regulación	
04 Zylinder Cylinder Cylindre Cilindro		17 Einspritzpumpe Injection pump Pompe d'injection Bomba de inyección		30 Druckluftanlasssteuerung Airstarting control Distribution d'air de lancement Distribucion de arranque neumatico	
05 Kurbelwelle Crankshaft Vilebrequin Cigüeñal		18 Einspritzpumpenantrieb Injection pump drive Entrainement de pompe d'injection Accionamiento para bomba de inyección		31 Anlaßventil Starting valve Soupape de lancement Valvula de arranque	
06 Pleuellstange Connecting rod Bielle Biela		19 Einspritzventil Injector injecteur Inyector		32 Anlaßsystem Starting system Systeme demarrage Sistema de arranque	
07 Kolben Piston Piston Embolo		20 Kraftstoffbehälter Fuel filter Filtre nourrice Filtro de combustible		33 Luftpresse Air compreser Compresseur d'air Compresor de aire	
08 Zylinderkopf Cylinder head Julasse Culata		21 Kraftstoffleitungen Fuel pipes Tuyauteries a combustible Tuberías de combustible		34 Schwingungsdämpfer Vibration damper Amortisseur de vibrations Amortiguador de vibraciones	
09 Räderkasten Timing chest Carter de distribution Caja tren de engranajes		21 Kraftstoffbehälter Fuel tank Reservoir a gas-oil Tanque de combustible		35 Fahrstand Control unit Poste de conduite Puesto mando	
10 Nockenwelle Camshaft Arbre a games Arbol de levas		22 Saugrohr/Luftfilter Suction pipe/Air cleaner Tube d'aspiration/Filtre d'air Tubo de aspiración/Filtro de aire		35 Armaturenkasten Instrument box Tableau de bord Caja instrumentos	
11 Steuerungsteile Timing gears Organes de distribution Pales de distribución		22 Luftfilter Air cleaner Filtre d'air Filtro de aire		36 Wasserkühler Water cooler Refrroidisseur d'eau Compresor de aire	
14 Schmierölpumpe Lube oil pump Pompe d'huile de graissage Bomba de aceite lubricante		22 Saugrohr Suction pipe Tube d'aspiration Tubo de aspiración		37 Kühlwasserpumpe Cooling water pump Pompe a eau Bomba de agua refrigerante	
15 Schmierölfilter/-kühler Lube oil filter/-cooler Filtre/Radiateur a huile-moteur Filtro/refrigerador de aceite lubricante		23 Schmierölbehälter Lube oil tank Reservoir d'huile Tanque aceite lubricante		38 Kühlwasserleitungen Water pipes Conduites d'eau de refroidissement Tuberías agua refrigerante	

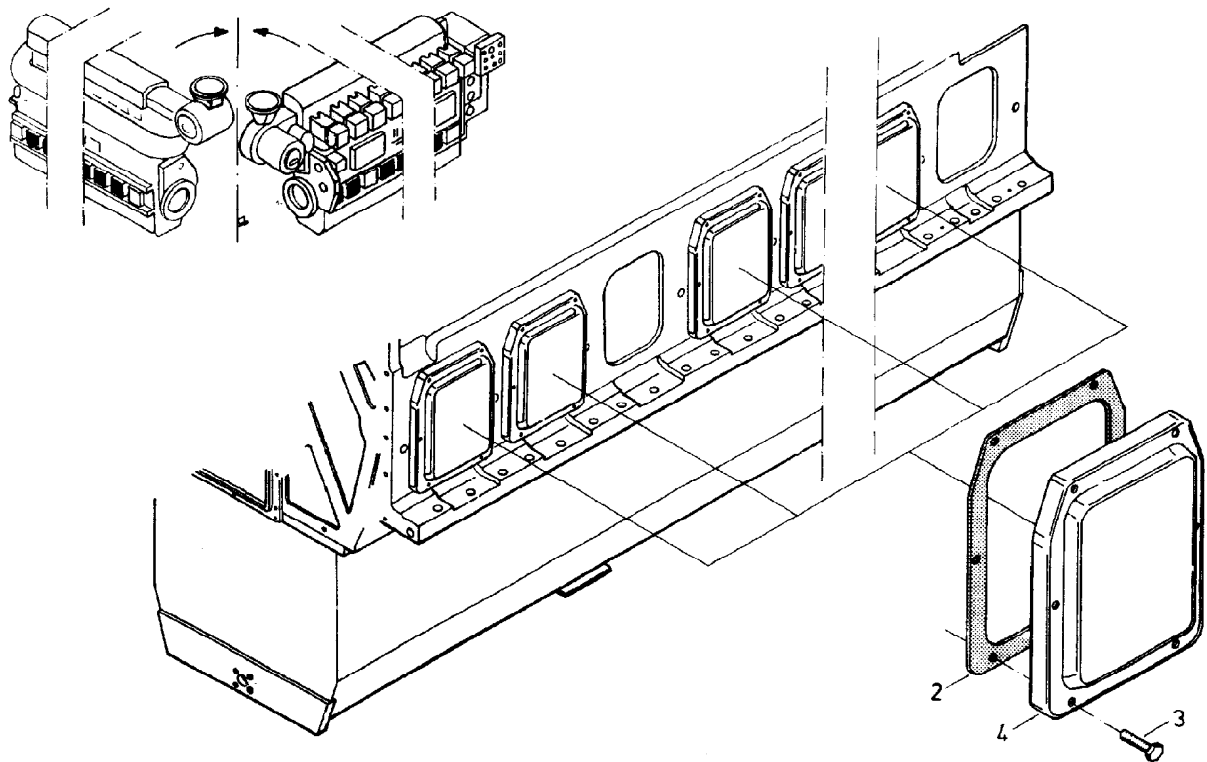
Baugruppenübersicht
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40 Kühlluftführung Cooling air ducting Guidage d'air de refroidissement Conduccion de aire refrigerante		51 Messgeräte Measuring instruments Instruments de mesure Aparatos de medición		81 Kupplungsbelätigung Clutch control Commande embrayage Accionamiento embrague	
40 Kühlluftführung Cooling air ducting Guidage d'air de refroidissement Conduccion de aire refrigerante		52 Kupplung Clutch Embrayage Embrague		83 Hydraulikpumpe Hydraulic pump Pompe hydraulique Bomba hid	
41 Abgassammelrohr Exhaust manifold Collecteur echappement Colector escape		56 Motorabstellung Engineshutdown Arret du moteur Dispositivo de parada de motor		84 Laufsteg Gangway Passerelle Pasarela	
42 Andrehvorrichtung Exhaust manifold Collecteur echappement Colector escape		57 Keilriemenschutz V-belt guard Pare-courroie Proteccion de correa trapezoidal		85 Schwungradbremse Flywheelbrake Frein sur volant Freno de volante	
43 Abgasturbolader Turbocharger Turbo-compresseur de suralimentation Turbo-sobrealimentador		58 Ladeluftkühler Intercooler Refrigerateur d'air de suralimentation Refrigerator para aire de sobrealimentación		86 Zylinderschmierung Cylinder lubrication Lubrification des cylindres Lubrification de cilindros	
44 Generator/Starter Dynamo/Starter motor Dynamo/Moteur de demarr Elektrogenerator/Arrancador		59 Werkzeuge für Einspritzpumpe Injection pump tools Outils pour pompe d'injection Herramientas para bomba de inyección		87 Ladeluftleitung Charge air pipe Conduit d'air de suralimentation Conducto de aire de sobrealimentación	
44 Generator Dynamo Dynamo Elektrogenerator		61 Abluftkasten Air discharge frame Hotte de depart d'air vice Caja de evacuación de aire		90 Allgemein General Généralités General	
44 Starter Starter motor Moteur de demarr Arrancador		63 Starthilfe Starting aid Assistance de demarrage Piloto de arranque		99 Service-Informationen Service information Information service Informacion servicio	
45 Nebenabtrieb Auxiliary drive Sortie secondaire Tom. fuerza secund.		64 Gasanlage Gascombustion system Installation à gaz Instalación de gas			
46/47 Motorlagerung Engine mounting Suspension du moteur Suspension del motor		65 Einspritzventilücklung Injector cooling Refrondissement des injecteurs Refrigeración de inyectores			
48 Elektrische Teile Electrical accessories Accessories electriques Accesorios electricos		70 Motorklappenbremse Engine brake Rein clapet moteur Freno tramp. motor			
49 Werkzeuge Tools Outils Herramientas		71 Schalldämpfer Silencer Silencieux Silenciador			

ETL no.: 0502 5921 Cover



0502 5921

Item	Material	MS VS	Quantity	UnitOrd	Designation (en)	Designation (en)	Remark
2	02086208		1	ST	Gasket	Gasket	
3	01112418		4	ST	Hexagon bolt	Hexagon bolt	
4	04070596		1	ST	Cover	Cover	ALTE POS.1