

REPORT ON MACHINERY

No. 10061

MON. 22 MAY. 1916

Received at London Office

of writing Report 10 May 1916 When finished in at Local Office

Port of Rotterdam

in Survey held at Alblasterdam

Date, First Survey 17 April 1915 Last Survey 8 May 1916

Book on the Steel Screw Steamer KIELDRECHT

(Number of Visits 16

Gross 1199
Net 746
When built 1916

ster F Vosper Built at Rijnhuizen By whom built V & C Za Gussen

nines made at Alblasterdam By whom made Alblasterdam'sche Machinefabriek when made 1916

lers made at Flushing By whom made Koninklijke de Schelde when made 1915

istered Horse Power Owners Hoorn'sche de Maas Port belonging to Rotterdam

n. Horse Power as per Section 28 172 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

GINES, & Co. - Description of Engines Vertical Triple expansion No. of Cylinders 3 No. of Cranks 3

of Cylinders 14 1/2 x 19 1/2 x 46 Length of Stroke 36 Revs. per minute 92 Dia. of Screw shaft 10 1/2 as fitted 10 1/2 Material of screw shaft steel

the screw shaft fitted with a continuous liner the whole length of the stern tube No Is the after end of the liner made water tight

the propeller boss If the liner is in more than one length are the joints burned If the liner does not fit tightly at the part

been the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive If two

rs are fitted, is the shaft lapped or protected between the liners Length of stern bush 46

of Tunnel shaft 9 1/2 as fitted 9 1/2 Dia. of Crank shaft journals 9 1/2 as fitted 9 1/2 Dia. of Crank pin 9 1/2 Size of Crank webs 4 1/2 x 6 1/2 Dia. of thrust shaft under

ars 9 1/2 Dia. of screw 14 1/2 Pitch of Screw 14 1/2 No. of Blades 4 State whether moveable No Total surface 56 sq

of Feed pumps 2 Diameter of ditto 3 1/4 Stroke 18 Can one be overhauled while the other is at work Yes

of Bilge pumps 2 Diameter of ditto 4 1/2 Stroke 18 Can one be overhauled while the other is at work Yes

of Donkey Engines 2 Sizes of Pumps 8 x 4 1/2 x 6 1/2 No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room 5 1/2 x 1 1/2 and one in tunnel 2 1/2 In Holds, &c. 2 in forehold 2 1/2 3 in afterhold

of Bilge Injections 1 sizes 4 Connected to condenser or to circulating pump Is a separate Donkey Suction fitted in Engine room & size Yes 2 1/2

all the bilge suction pipes fitted with roses Yes Are the roses in Engine room always accessible Yes Are the sluices on Engine room bulkheads always accessible

all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both

they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Discharge Pipes above or below the deep water line above

they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes

hat pipes are carried through the bunkers None How are they protected

all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes

the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges Yes

tes of examination of completion of fitting of Sea Connections 16-1-16 of Stern Tube 16-1-16 Screw shaft and Propeller 16-1-16

the Screw Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Engine room platform

ILERS, & Co. - (Letter for record) Manufacturers of Steel See Foster report

tal Heating Surface of Boilers 3144 Is Forced Draft fitted No No. and Description of Boilers 2 single ended Main boilers

orking Pressure 100 lbs Tested by hydraulic pressure to 360 Date of test No. of Certificate

m each boiler be worked separately Area of fire grate in each boiler No. and Description of Safety Valves to

h boiler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear

allest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates

Forecastle 25 thickness Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams

g. seams Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps

is to be given centages of strength of longitudinal joint Working pressure of shell by rules Size of manhole in shell

ue of compensating ring No. and Description of Furnaces in each boiler Material Outside diameter

length of plain part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings

orking pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom

itch of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules

aterial of stays Diameter at smallest part Area supported by each stay Working pressure by rules End plates in steam space

aterial Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays

diameter at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom

thickness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules

diameter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays

itch across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and

ickness of girder at centre Length as per rule Distance apart Number and pitch of stays in each

Working pressure by rules Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked

eparately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

oles Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

to. of Visits 411 stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

2020

8-17/11-8/5 1916

W 879-0025

Lloyd's Register Foundation

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:-

Two top end bolts and nuts, two bottom end bolts and nuts, two main bearing bolts and nuts, one set of coupling bolts, one set of top end braces, one set of bottom end braces, 2 main bearing braces, one air and circulating pump piston rod, one eccentric strap, 6 piston bolts, one set of piston springs, one screw shaft, one propeller, a quantity of assorted bolts and nuts, and iron of various sizes, one set of belt feed pump valves.

The foregoing is a correct description,

Naamloze Vennootschap

ALBASSERDAMSCHER MACHINEFABRIEK

Amsterdam

Manufacturer.

Dates of Survey while building: During progress of work in shops - 1915 April 17 May 4 June 14 25 July 21 28 Aug 5 12 Sept 4 12 28 Oct 5 12 27
During erection on board vessel - 1916 Feb 18 March 27 April 12 17 May 2 8
Total No. of visits 16

Is the approved plan of main boiler forwarded herewith with report ss. HOOGLAND

Dates of Examination of principal parts: Cylinders 17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1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