

Invoice

Boll+Kirch Filterbau GmbH
Sindorf, Siemensstr. 10-14
D-50143 Kerpen, Germany

SKF Marine Korea Ltd.

Invoice Date: 2018-07-02
Invoice No.: 0120/2018

Your order No.: REK 498200
Our order No.:

Contact : SangHee Lee
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Document Type: Service invoice
Subject: SHI SN2189_SEA WATER FILTER REPAIR

Final Due Date: 2018-08-01

Description	Qty	Unit	Currency	Unit Price	Amount
Traveling/Waiting Hour	6	HOUR	EUR	80.00	480.00
Normal Hour	8	HOUR	EUR	80.00	640.00
Mileage Allowance	153	Km	EUR	0.60	91.80
Daily Allowance(Local)	1	DAY	EUR	60.00	60.00

Sub-total		1,271.80
Total	EUR	1,271.80

Payment term : within 30 days after invoice date
Please state the invoice number on the payment reference.



Service Manager / Jaesig Seo

SKF Marine Korea Ltd.
A company of SKF Marine GmbH and BOLL & KIRCH Filterbau GmbH

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Bank Account : Deutsche Bank, Seoul
Swift Code : DEUTKRSE
KRW 0008516300
USD 0008516050
EUR 0008516018

Service Report



SUBJECT		Sea Water Filter control 6..18 DN800, Fabrication no. 4057611/1									
VESSEL NAME		GOLAR NANOOK				HULL NO.		2189 FSRU			
MAKER		Boll+Kirch Filterbau GmbH				ORDER NO.		REK 498200			
ENGINEER		Jaesig Seo /				LOCATION		Samsung Heavy Industries, Geoje Shipbuilding			153 km
TIME SHEET		WORK TIME		PER	TOTAL HOURS	TRAVELLING WAITING HOURS	Other	NORMAL HOURS (09:00~18:00)	OT-A (06:00~09:00) (18:00~22:00)	OT-B (22:00~06:00) / Sat, Sun & National holiday OT-C (06:00~22:00)	Non-working days OT-D (22:00~06:00)
DATE	DAY	BEGIN	END								
2018-07-02	Mon	6:00	~ 20:00	1	14.00	6.00		8.00			
			~		-						
				1	14.00	6.00	-	8.00	-	-	-
TIME SCHEDULE		WORK REPORT									
2018-07-02											
06:00 - 09:00		Traveling to Samsung.									
09:00 - 15:00		On board, checked the control and set parameter got new data from Boll. But the setting was not applicable and furthermore, some of the filter control function was totally not working. The back flushing sequence was not matched and also not working lamp test function and also not possible sequence working. For the reason, the control should have checked one by one to find reason. Finally I found reason that the malfunction was caused by wrong positioned jumper connector.									
15:00 - 17:00		Demonstrated with yard staffs for function of control and setting for VEGA module. Also performed simulated with portable pressure generator for check function of DPT. Confirmed all the functions were good all three set of filters.									
17:00 - 20:00		Traveling back to office.									
SIGNATURE											