

## SPARE PARTS REQUISITION

From vessel: _____	Page: 1 of 1
Department: ENGINE	
Snaps order no: 336	
Shipsref: TAT-13-1179	Req Date: 11-Sep-13
Delivery date: 12-Sep-13	Approval date: 12-Sep-13
Delivery port: SINGAPORE	Approved by: TAT
Our contact:	Account: 23480101
Proposed supplier(s):	Planned/Unplanned:
Priority: Urgent	Dry Dock/Damage:

**Subject:** M/E L/O PLATE COOLER ( alfa laval )

**Free text:** MAIN ENGINE LUB OIL PLATE HEAT EXCHANGER  
 MODEL AK 20 - FL  
 MANUFACTURE No 30100 - 19826  
 MAKER - ALFA LAVAL

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**Internal comments:**

Comp. name: Main Engine L.O cooler  
 Maker: ALFA-LAVAL, Type:AK-20FL

Item	Qty	Unit	Part Number	Description	R.O.B:	Unit price	Curr	Total price
1	1	PCS	Item No.25	Manufacturing No: 30100-19826 End Plate II	0			
2	104	PCS	Item No.26	Manufacturing No: 30100-19826 Channel Plate	0			
3	1	PCS	Item No.27	Manufacturing No: 30100-19826 End Plate I	0			
4	104	PCS	32330-1204-6	Manufacturing No: 30100-19826 Channel Plate gasket- NBR (Nitrite)	0			
5	2	PCS	32330-1204-6	Manufacturing No: 30100-19826 End Plate gasket II -NBR (Nitrite)	0			
6	1	SET	OPTION	COMPLETE SET OF USED RECONDITIONED PLATE HEAT EXCHANGE WITH TEST CERT				



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Cooler

Media	->LUBE OIL	=>SEA WATER
Flow rate	222 M3/H	129 M3/H
Temp. program	52.9 to 47.9 C	32 to 35.9 C
Pressure drop	0.6 BAR	0.1 BAR
Liquid volume	121.0 l	121.0 l
Location of connections		
inlet	S1	S3
outlet	S2	S4
Material in connections	SS	SS
Plates material	Titanium	
thickness	0.4 mm	
finish		
Gasket material	Nitrile	
Heat transfer surface	54.50 m <sup>2</sup>	
Plate grouping	55ML ----- 55MH	

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Plate no.	Plate code no.	Punched corner of the plate				Flow direction on the gasket side of the plate
		upper left	lower left	lower right	upper right	
	S	1	2	3	4	
		-->	<--	=<=	==>	
1	365241-4183B	0	0	0	0	--
2	365241-2103A	0	0	0	0	up
3	365141-2103B	0	0	0	0	down
4	365241-2103A	0	0	0	0	up
5	365141-2103B	0	0	0	0	down
6, 8...106	365241-2103A	)	)	)	)	)
7, 9...105	365141-2103B	(	(	(	(	(
107	365141-2103B	0	0	0	0	down
108	365241-2103A	0	0	0	0	up
109	365141-2103B	0	0	0	0	down
110	365241-2103A	0	0	0	0	up
111	365241-4116B	----	----	0	0	down
	T	1	2	3	4	