



KEMEL USA INC
366 Fifth Avenue, Suite 712
New York, NY 10001

TEL: +1 212 967 5575
FAX: +1 212 967 6966
WEB: www.kemelusa.com

COMPACT SEAL SERVICE REPORT

Vessel Name: El Faro		KEMEL Representative: Don Anderson		WEAR DOWN RECORD			CENTERING RECORD		Clearance of Liner to Seal Housing (T)		
Owner Name: TOTE / Sea Star		Service Period: 14-Dec-13 TO 28-Dec-13		LAST	DATE	TOP	BOT			Location	FWD
Location: Freeport		Shipyard: GBSY		BEFORE	12/16	107.5	107.5	FWD		TOP	2.5
Seal Size: CX750		Serial No. FWD strut		AFTER	27-Dec-13	107.1	108.4	Eccentricity	.008"	Bottom	3.5
				COMMENTS: Seal overhaul w/shaft withdrawn. Machined 1.0mm off liner diameter. Liners are not KEMEL supply.				FWD		PORT	3.0
								Squareness	.006"	Starboard	3.0
<p>In case of C, CX type seal, measurement D is not taken. All measurements to center of wear area. Record groove width and depth on worksheet.</p>				Stern Tube Lubricant				ST77			
#	SEALING RING CONDITION (OLD)			WIDTH (mm)	MATERIAL		Liner Machining Data				
					OLD	NEW	New Liner Diameter		D1		mm
1	blistered			4mm	fkm	fkm	Machined Liner Diameter		D4		
2	normal			5mm	f4	f4			D2	749.17mm	
3	heat checked			6mm	f4	f4			D5		
3S							Date Machined, Location		GBSY 12/23/13		
4							KEMEL Signature		Date		
5							Customer Name/Title		Date		
Liner wear								Customer Signature			
Seal #	Distance	Width	Depth	Seal #	Distance	Width	Depth				
1	A			4	F						
2	B			5	E						
3	C		.40mm	Net Stopper	Yes	Z Dimension	70mm				
3S	D					Y Dimension					