

	Power and Speed trial report ME		NSB Form eME
	MV COSCO BUSAN Date: 03.01.2007 from: Long Beach to: Pusan		
ME Type 10K58MC-C Total runn. hours: 33406 Max. effec. Power: 57060 kW Engine speed: 104 min			

General Conditions			General ships data		
speed over bottom	24	knots	in Service since	18.12.2001	
speed through water		knots	last dry docking	01.12.2006	
course	307	degree	Length o. a.	274.67	m
wind velocity	NW5	dir / Bft	Breadth moulded	40.3	m
sea	4	m	max. draught	14.82	m
water depth	400	m	max. deadweight	68066	tdw
current	SE/0.5	dir / kts	draught forward	11.1	m
sea water temp	14	°C	draught aft	8.8	m
engine room temp	26	°C	deadweight	47489.6	tdw
air pressure	1019	mbar	reefer quantity	100	TEU

General Data Propulsion			General data motor		
propeller dia.	8600	mm	fuel pump timing		
propeller constante	1.0163		governour scale	7.4	Pcs
engine speed	96.5	min	load ind. inj. pump	74	Pos
power propeller	45500	kW	V.I.T.		Pos
power shaft generator	n.a.	kW	theor. ship speed	25	knots
power main engine		kW	slip	10.2	%

Fuel Consumption			Cylinder Oil Consumption		
main engine per hour	8880	l/h	per hour	48.5	l/h
main engine per day	213.7	mt/d	per day	1164	l/h
audliary eng. p. hour	352	l/h	spec. gravity	0.935	g / dm³
audliary eng. p. day	8.8	mt/d	spec. consumpt.	1.35	g/kWh

Cyl. No.	piston oil outlet °C	cyl. cool water outlet °C	exh. gas outlet °C	compression pressure bar	ignition pressure bar
1	56	82	314	100	130
2	56	83	315	100	129
3	56	83	346	99	128
4	57	83	337	96	128
5	57	83	380	95	128
6	56	83	325	98	127
7	57	83	312	99	131
8	57	83	327	98	126
9	56	84	337	100	131
10	56	84	330	101	127
11					
12					

turbine 1 speed	9700	min	cooling water temp. °C	press. bar
turbine 2 speed	9300	min	HT cylinder in	75 3.9
turbine 3 speed	9900	min	LT ch. air cooler in	35 2.5
charge air pressure	2.2	bar	LT ch. air cool 1-2 out	52
A/p air cooler 1/2/3		mm WS	LT ch. air cool 3 out	48
charge air cooler 1 out	48	°C	LT system	34 3.8

charge air cooler 2 out	50	°C	oil	temp. °C	press. bar
charge air cooler 3 out	48	°C	lub oil in	46	2.70
turbine 1 exh. gas in	382	°C	cross head oil in	46	2.7
turbine 1 exh. gas out	264	°C	gear lub oil in		
turbine 2 exh. gas in	396	°C	fuel oil in	133	7.4
turbine 2 exh. gas out	264	°C	thrust bear. oil out	48/58	
turbine 3 exh. gas in	380	°C	shaft bearing 1/2/3	50/50/49/48	
turbine 3 exh. gas out	279	°C			

bunkerplace	SINGAPORE
bunkerdate	26.11.2006