


## LAMPIRAN 1

 <b>PERTAMINA</b>		<b>SHIP PARTICULARS</b>					
Name Of Vessel	<b>GALUNGGUNG</b>	Call Sign	<b>PNZX</b>				
Flag / Port	<b>INDONESIA / JAKARTA</b>	MMSI	<b>525008067</b>				
Official Registration No.	<b>D - 1992 - 2460 - PEXT</b>	Radio Telex (NBDP) no.	<b>357298000 GALU X</b>				
IMO - Class Number	<b>9 4 5 5 7 9 1</b>	Inmarsat F Tel / Fax					
Builder	<b>Jiangsu Eastern Heavy Industries, co. Ltd</b>	Sea Area	<b>A1 + A2 + A3 ( MF/HF)</b>				
		Inmarsat C	<b>435729810</b>				
Keel Laid	<b>18. Dec. 2009.</b>	In Port GSM Mobile					
Launched	<b>18. Dec. 2010.</b>	Email	<a href="mailto:pnzx@amosconnect.com">pnzx@amosconnect.com</a>				
Delivered	<b>19. May. 2011.</b>	Class :	+A1, Oil Carrier, (E), +AMS, +ACCU, VEC,				
Last Drydock	<b>APRIL 2016</b>	<b>ABS</b>	TCM, AB-CM, CSR, ESP, SPMA, CPS				
OWNER	PT. PERTAMINA ( PERSERO ) Jl.Merdeka Timur no.1A, Jakarta Pusat- 10110						
Technical Operator	PT. PERTAMINA ( PERSERO ) Shipping-Marketing and Trading Directorate Jl. Yos Sudarso no. 32 - 34 Jakarta Utara, Jakarta						
CONTACT	Commercial Fleet Manager : Siswoyo ( siswoyo@pertamina.com )						
GRT	<b>63,005</b>	L.O.A.	<b>244.5 mtr</b>				
NRT	24,134	L.B.P.	233.0 mtr				
Summer Deadweight	<b>88,322 MT</b>	Breadth ( max )	<b>44.0 mtr</b>				
Lightship	21,100 Ton	Depth	21.5 mtr				
Displacement ( Design )	<b>109,422 Ton</b>	Summer Draught	<b>12,700 mtr</b>				
Displacement ( Scantling )	129,741 Ton	Scantling Draught	14,800 mtr				
LCG	<b>103.75 mtr</b>	VCG	<b>12.64 mtr</b>				
Engine	QMD-WARTSILA 7RT-Flex 58T-B	SMCR Speed	15.70 kts				
SMCR x RPM	15260 kw x 105 RPM	CSR+15% S.M.	15.00 kts				
		Prop Dia / Pitch	Dia 7.15 mtr / Pitch 4.724 mtr				
Anchors	2 x 10.125 kg, chain 90 mm	Anchor Chain Length	Port 13 Shckls / Stbd 13 Shckls				
		Windlass Brake	69.0 MT				
Mooring Winch	8 sets x 59.8 MT	Winch Brake	65.0 NT				
Bow Chain Stopper	2 x 250 T SWL, 76mm chain	Mooring Rope Additional	Nylon Rope x 220 M x 80 T				
Mooring Tails Fitted 16x	Nylon 11 M / 80 mm BS 94.5 T	Mooring Wire 16 x	Galvanize Steel WR (FC) x 69 T				
Cargo gear Cranes	Manif. 2x15 T, Wing Midship	Provision Crane	2 x 5.0 T SWL				
Cargo Oil Pumps (turbine)	3000 m3 x 150 mlc x 3 sets	Ballast Pump ( Motor )	1500 m3 x 35 mlc x 2 sets				
Cargo Stripping Pump	250 m3 / h x 130 mlc x 1 set	Ballast Capacity	41,713.9 m3				
Eductor Pump	300A x 300 A x 350 A x 1 set	Suez GRT/NRT	<b>65,059.36 T / 58,931.62 T</b>				
	300 A x 250 A x 350 A x 1 set	HFO Capacity 100% ( full )	3300 m3				
Max Loading Rate	1 Arm 3.000 m <sup>3</sup> /hr / 3 Arm 9.000 m <sup>3</sup> /hr	MDO Capacity 100% ( full )	200 m3				
Max. Temp. Loaded	66° C or 150.8° F	Fresh Water Cap. 100%	850.2 m3				
Parallel body ballast = 229.83 m		Parallel body at SDWT = 239.96 m					
Manifold per side:	3 x 20" JIS + 2 x 16" Vapour	Bridge to Stern	40300 mm				
Bow to cntr Manifold	121260 mm	Bridge to Bow	204200 mm				
Manifold to Ship rail	4400 mm	Bridge to Center Manifold	74640 mm				
Manifold to Ship side	4600 mm	Stern to Center Manifold	123240 mm				
Top of rail to center manifold	2100 mm	Centre to Centre	2500 mm				
	Draft	Freeboard	Displ	DWT	MANOUEVERING:	RPM	Ahead Speed (kts)
	Meters	Meters	Tonnes	Tonnes		Ahd / Astn	Laden / Ballast
Lightship	3.124	18.193	21,110	21,110	Emergency Full	105 / 73.5	15.7 / 16.4
Tropical(FW)	13.250	8.067	114,713	93,613	FULL	74 / 65	15.2 / 16.0
Summer FW	12.985	8.332	112,160	91,060	HALF	58	12.6 / 13.5
Tropical	12.965	8.352	111,968	90,868	SLOW	42	4.9 / 7.7
Summer	<b>12.700</b>	<b>8.617</b>	<b>109,422</b>	<b>88,322</b>	DEAD SLOW	32	3.0 / 5.6
Winter	12.435	8.882	106,883	85,783	TPC	95.94 MT SDWT	
Normal Ballast Condition	12.435	8.882	106,883	85,783	FWA	330 mm	