

## VESSEL CHARACTERISTIC FIELDS

### VESSEL IDENTIFICATION

Key fields normally used to identify the vessel and its attributes e.g. IMO NUMBER, VESSEL NAME, CURRENT FLAG, VESSEL TYPE etc.

COLUMN NAME	COMMENTS
VESSEL ID	Primary Key. Unique id for vessel used to reference all other vessel related tables.
IMO	IMO number (formerly known as LR number).
VESSEL NAME	Current name of vessel.
YEAR OF BUILD	Year in which vessel was completed.
FLAG	Current flag of vessel
CALL SIGN	Call sign of the vessel.
MMSI	MMSI country code. See <a href="#">MMSI VESSEL CODE</a> for full <a href="#">MMSI NUMBER</a> of vessel.
PORT OF REGISTRY	Place where the vessel is registered.
GROSS	Gross tonnage.
NET	Net tonnage.
DWT	Deadweight tonnage.
GEN TYPE	Vessel generic type code. E.g Tanker, Bulk Vessel, Unitised ...
SUB TYPE	Vessel sub type code. E.g. Crude Oil, Ore Carrier ...
VESSEL TYPE	Specific vessel type
STATUS	Vessel current status Under construction, Live, Dead ...

### VESSEL DIMENSIONS

COLUMN NAME	COMMENTS
VESSEL ID	Vessel ID used to reference all other vessel related tables.
HULL ID	Primary key.
BREADTH EXTREME	Breadth Extreme in metres.
BREADTH MOULDED	Breadth moulded in metres.
DEPTH	Depth in metres. From lowest point of the hull to deck level.
DRAFT	Draught or draft measured in metres. From lowest point of the hull to the water line.
FREEBOARD	Freeboard in millimetres. Height of ships side above the waterline.
LBP	Length between perpendiculars in metres
LOA	Overall length in metres
LRG	Registered length of the vessel in metres
TPCMI	Tonnes per centimetre immersion
MANIFOLD TO BOW	Manifold to bow length. Specific to LLI generic type T – tanker
PARALLEL BODY LENGTH	Specific to LLI generic type T - tanker
MANIFOLD DECK TO CENTRE	Manifold distance from deck to centre. Specific to LLI generic type T - tanker
KTM	Keel to mast height, also known as Air draft

FORMULA DWT	Formula dead weight of the vessel.
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## VESSEL DESIGN, STRUCTURE & MISCELLANEOUS

Vessel structure and design data such as hull type, build material, speed etc.

COLUMN NAME	COMMENTS
VESSEL ID	Vessel ID used to reference all other vessel related tables.
HULL ID	Primary Key.
BULBOUS BOW IND	Indicates whether a vessel has a bulbous bow.
HULL TYPE	Vessels hull type.
HULL DESIGN	Provides information on the design of a vessels hull when not a traditional – single hull. For example a catamaran.
MATERIAL OF BUILD	Type of material used in the construction of the hull.
NO DECKS	Number of decks
HELI DECK IND	Y – Indicates that the vessel is known to have a dedicated helicopter deck.
NO WATERTIGHT COMPARTMENTS	Number of watertight compartments
NO BULKHEADS	Number of bulkheads of any kind
THRUSTER IND	Type of thrusters installed on vessel.
ENGINE POSITION	Location of the engine within the superstructure. <b>A</b> – Aft, <b>F</b> – Forward, <b>M</b> – Middle.
TOTAL TANKS	Total number of tanks of any position
NO WING TANKS	Number of wing tanks
NO CENTRE TANKS	Number of centre tanks
STRENGTHENED FOR HEAVY CARGO	Y if the classification society rates the vessel as strengthened for heavy cargo
ORE CARGO IND	Y – Indicates the vessel is capable of carrying ore product
FUEL CAPACITY	Fuel capacity of the vessel
FUEL CONSUMPTION	Notes on fuel consumption, normally in form like this 14KTS ON 16MT (L)
PROPULSION TYPE	Type of propulsion vessel uses.
PROPULSION TEXT	Miscellaneous notes regarding propulsion
SPEED	Speed of vessel in knots.
SPEED TYPE	Provides information on the measurement of speed given
NO CREW	Number of Crew.
NO PASSENGERS	Number of passengers the vessel can carry.
NO BERTHS	Number of berths on vessel.
NO CABINS	Number of cabins on vessel.
LANE LENGTH	Total length of lanes in metres
LANE WIDTH	Total width of lanes in metres
NO REEFER PLUGS	Total number of reefer plugs
CONVERSION TEXT	If the vessel has been converted from one type to another, this field will indicate the original vessel type before conversion.
CONVERSION DATE	Date on which the conversion was understood to be completed.
HATCH TYPE	The type(s) of hatch covers found on the vessel.
GEARLESS IND	Y – Indicates that the vessel has no on board cargo handling equipment.

COLUMN NAME	COMMENTS
CO2 IND	Y – Indicates that CO2 fire-fighting equipment has been fitted in the vessel's cargo holds.

## VESSEL CAPACITIES

Data on cargo carrying capacity TEU, capacity, liquid capacity etc.

COLUMN NAME	COMMENTS
VESSEL ID	Vessel ID used to reference all other vessel related tables.
HULL ID	Primary Key.
BALE CAPACITY	Bale capacity in cubic metres. Generally the capacity of cargo hold excluding the space between bulkheads and frames.
BALLAST CAPACITY	Ballast capacity
BOLLARD PULL	The universal calculation of the strain a tug is capable of producing when towing (tug specific).
CAR CAPACITY	Number of cars that can be carried
TRAILER CAPACITY	Number of trailers that can be carried
GAS CAPACITY	Gas capacity in cubic metres
GRAIN CAPACITY	Grain capacity in
LIQUID CAPACITY	Liquid capacity in cubic metres
LIQUID CAPACITY BARRELS	Liquid capacity measured in barrels
ORE CAPACITY TONNES	Ore capacity in metric tonnes
PUMP CAPACITY CUBIC	Pump capacity in cubic metres
PUMP CAPACITY TONNES	Pump capacity in tonnes
PUMP DESCRIPTION	Notes on vessels pumps
REFRIGERATED CAPACITY	Refrigerated capacity in cubic metres.
DECK TANK CAPACITY	Capacity of deck tanks in cubic metres.
SLOP TANK CAPACITY	Capacity of slop tanks in cubic metres
TEU CAPACITY	Total TEU's the vessel can carry
TEU DECK CAPACITY	TEU's which can be carried on the deck
TEU HOLD CAPACITY	TEU's which can be carried in the hold
TEU OPERATION CAPACITY	Operational TEU capacity of the vessel
REFRIGERATED TEU CAPACITY	Number of refrigerated TEU units the vessel is able to carry
TEU 14T CAPACITY	TEU capacity of the vessels if every TEU weighs 14 tonnes

## TANKER SPECIFICS

Data specific to tanker vessels, such as number of tanks, manifold type etc. Although labelled 'tankers' the information also relates to other vessel types. E.g. LNG and LPG specific characteristics.

COLUMN NAME	COMMENTS
VESSEL ID	Vessel ID used to reference all other vessel related tables.
HULL ID	Primary Key.

COLUMN NAME	COMMENTS
BOW CHAIN STOPPERS	Y if vessel has Bow chain stoppers
SPM IND	Single point mooring indicator
BOW LOAD DISCHARGE	Y if has ability for discharge via bow
STERN LOAD DISCHARGE	Y if has ability for discharge via stern
MANIFOLD TYPE	Type of Manifold, generally Steel or Stainless Steel
MANIFOLD DISTANCE	Length of the manifold from desk to centre in metres.
CLS IND	Closed loading system indicator
IMO RATING 1	Y if vessel has IMO Rating I
IMO RATING 2	Y if vessel has IMO Rating II
IMO RATING 3	Y if vessel has IMO Rating III
NO GRADES	Number of different grades of oil product that can be transported due to separate tanks.
NO LINES	Number of lines
SBT IND	Segregated ballast tanks indicator
STAINLESS STEEL TANKS	Indicates whether the vessel has stainless steel tanks
NO STAINLESS STEEL TANKS	Number of stainless steel tanks
TANK COATED IND	Y if vessel has coated tanks
TANK COATED TEXT	Text regarding tank coatings
TANK TEXT	Text regarding vessels tanks
TOTAL PUMPS	Total number of pumps
HEAT EXCHANGERS	Y if vessel has heat exchangers
COIL IND	Y if vessel has steam heating coils in the liquid tanks.
COIL TEXT	Text regarding heating coils
COW IND	Crude oil washing facility indicator
FLASH POINT 60 IND	Flash point less than 60 indicator
AMMONIA IND	Vessel is capable of transporting ammonia
ETHYLENE IND	Vessel is capable of transporting ethylene
IGS IND	Inert gas system indicator
LNG CONTAINMENT IND	Y – Indicates that the vessel has been fitted with an LNG containment system
GAS MIN PRESSURE	The minimum pressure of gas that can be tolerated.
GAS MAX PRESSURE	The maximum pressure of gas that can be tolerated.
PRESSURISED IND	Y – Indicates that the containment facilities are pressurised.
SEMI PRESSURISED IND	Y – Indicates that the containment facilities are semi-pressurised.
REFRIGERATED IND	Y – Indicates that the containment facilities are refrigerated.
VCM IND	Vessel is capable of transporting Vinyl Chloride Monomer

## VESSEL TONNAGES

Additional tonnage details which are not included in the standard VESSELS table.

COLUMN NAME	COMMENTS
VESSEL ID	Vessel ID used to reference all other vessel related tables.
CONVENTION 69 IND	Indicates whether the tonnages recorded for the vessel conform to the IMO International Convention on Tonnage Measurement of Ships of 1969.

DISPLACEMENT	Displacement of the vessel in tonnes.
PANAMA NRT	Panama Canal net tonnage.
SUEZ NRT	Suez Canal net tonnage.

## HATCHES

Details on the number and dimensions of hatches used to access a vessels cargo spaces. These are typically associated with bulk, general cargo and some container vessels.

COLUMN NAME	COMMENTS
HATCH ID	Primary Key. Unique record id within the hatch table.
HULL ID	Foreign Key. Used to links to <b>other</b> LLI hull data e.g. boiler information
NO HATCHES	Number of hatches of size available
WIDTH	Maximum width of hatch in metres.
LENGTH	Maximum length of hatch in metres.

## HOLDS

Details on number and dimensions of vessels cargo spaces. These are typically associated with bulk, general cargo and some container vessels.

COLUMN NAME	COMMENTS
HOLD ID	Primary Key. Unique record id within the hold table.
HULL ID	Foreign Key. Used to links to <b>other</b> LLI hull data e.g. boiler information
NO HOLDS	Number of holds of size available
WIDTH	Maximum width of hold in metres.
LENGTH	Maximum length of hold in metres.
DEPTH	Maximum depth of hold in metres.

## VESSEL ENGINES

Details the primary engine records for vessels

COLUMN NAME	COMMENTS
VESSEL ID	Unique id for vessel used to reference all other vessel related information.
ENGINE ID	Primary Key. Unique record id within the engine table.
ENGINE DESIGNATION	Foreign Key. Designation (similar to model) given to engine by designer.
START DATE	Approximate date engine installed.
ENGINE DOB	Approximate date on which vessel was built.
DOB QUALIFIER	Qualifies <b>ENGINE DOB</b> . After / Before / About ....
NO ENGINES	Number of engines of type fitted.
POWER KW	Power of engine in kilo watts
RPM	Revolutions Per Minute of the engine.
HP	Horse power of the engine.
ENGINE BUILDER	Name of engine builder
BUILT TOWN	Town where the engine was built

## ENGINE DESIGNATIONS

Additional engine information specific to the engine designation record.

COLUMN NAME	COMMENTS
ENGINE DESIGNATION	Primary Key. Unique record id within the engine designation table.
ENGINE MODEL	Model code of the engine
ENGINE DESIGNER	Company name of engine designer
BORE	Bore of the cylinder in mm.
STROKE	Stroke of the piston in mm.
ENGINE ACTION	Single or Double
NO CYLINDERS	Number of Cylinders
CYLINDER ARRANGEMENT	How the cylinders are arranged – L (Linear) or V (Vertical)
ENGINE TYPE	Type of engine.
STROKE TYPE	Stroke type 2 or 4
FUEL TYPE	Type of fuel used by the vessel.
FUEL TYPE 2	Where populated, indicates that the engine is dual fuel.

## GENERATORS

Details on generators installed aboard vessels. Generators in this instance are largely treated as auxiliary engines.

COLUMN NAME	COMMENTS
GENERATOR ID	Primary Key. Unique record id within the generator table.
HULL ID	Unique number to link to other LLI data about the same hull.
NO GENERATORS	Number of generators of type fitted.
CURRENT	AC - Alternating Current or DC - Direct Current. Null - Unknown
POWER	Set power
POWER TYPE	Indicates if power is in KW or KVA

## BOILERS

Details on boilers installed aboard vessels.

COLUMN NAME	COMMENTS
BOILER ID	Primary Key. Unique record id within the boiler table.
HULL ID	Unique number to link to other LLI data about the same hull.
NO BOILERS	Number of boilers of type fitted.
BOILER TYPE	Type of boiler.
PRESSURE BAR	Pressure in bars
PRESSURE MPA	Pressure in megapascal
HEAT SURFACE	Heating surface area in metres squared.
AUXILIARY IND	Y – Indicates if the boiler is regarded as an auxiliary boiler

## LIFTING GEAR

Details on lifting gear installed aboard vessels.

COLUMN NAME	COMMENTS
LIFTING GEAR ID	Primary Key. Unique record id within the lifting gear table.
HULL ID	Unique number to link to other LLI data about the same hull.
NO LIFTING GEAR	Number of lifting gear of type fitted.
LIFTING GEAR TYPE	Type of lifting gear.
SAFE WORKING LOAD	Safe working load of the lifting gear.

## PROPELLERS

Details on propellers installed aboard vessels.

COLUMN NAME	COMMENTS
PROPELLER ID	Primary Key. Unique record id within the propeller table.
HULL ID	Unique number to link to other LLI data about the same hull.
NO PROPELLERS	Number of propellers of this specification
PROPELLER TYPE	Propeller type

## INMARSAT

Inmarsat satellite contact details for vessels

COLUMN NAME	COMMENTS
VESSEL ID	Unique id for vessel used to reference all other vessel related information.
INMARSAT CODE	Inmarsat system identifier.
INMARSAT NUMBER	Inmarsat contact number
ANSWER BACK	Inmarsat answer back code.

If you have any questions about Lloyd's List Intelligence Made-to-measure Data, please call +44 (0) 207 017 5392 or email [info@lloydslistintelligence.com](mailto:info@lloydslistintelligence.com).