

AUTHORIZED **STX** ENGINE PARTNER

# Integrated Engine Support Under One Responsibility



**HANA POWER SYSTEM SERVICE CO., LTD.**

## Engine Spare Parts Authorized by STX Engine

Established in 1997, Hana Power System Service is a specialized supplier of marine and stationary engine spare parts. The company is an official authorized partner of STX Engine and provides comprehensive on-site technical services for propulsion and generator engines. Originated from the technical service division of STX Engine, Hana Power delivers reliable spare parts and field-proven engineering services to customers worldwide.

- Authorized STX Engine spare parts dealer
- Serving customers in over 30 countries
- Extensive experience on marine and stationary engines

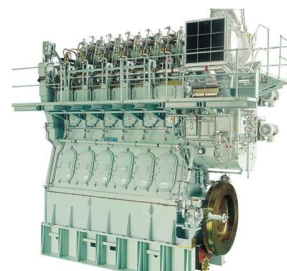
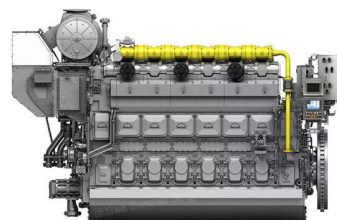


## Engine Spare Parts Supply – Models Covered

As an authorized STX Engine dealer, Hana Power supplies genuine and compatible spare parts with correct specifications and reliable lead times.

Supported Engine Models – Everllence (formerly MAN):

- L16/24
- L21/31
- L23/30 (A)
- L27/38
- L28/32 (A)
- L32/40
- 35MC (all cylinder configurations)



## Major Engine Components & Spare Parts

|                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|    |    |    |      |    |  |
| PISTON                                                                              | CYLINDER HEAD                                                                       | CYLINDER LINER                                                                      | FUEL INJECTION VALVE                                                                  | PLUNGER & BARREL<br>(NICO, L'ORANGE)                                                  | Nozzel                                                                              |
|   |   |   |     |   |                                                                                     |
| VALVE SPINDLE                                                                       | PRESSURE TRANSMITTER                                                                | RESISTENCE BULB                                                                     | GOVERNOR                                                                              | CON-ROD BEARING                                                                       |                                                                                     |
|  |  |  |    |  |                                                                                     |
| COOLING JACKET                                                                      | CAM SHAFT                                                                           | HIGH TEMPERATURE<br>FRESH WATER PUMP                                                | FRESH WATER PUMP                                                                      | CONNECTNIG-ROD                                                                        |                                                                                     |
|  |                                                                                     |                                                                                     |  |                                                                                       |                                                                                     |
| CRANKSHAFT                                                                          |                                                                                     |                                                                                     | ENGINE FRAME                                                                          |                                                                                       |                                                                                     |

## On-Site Technical Services – Marine & Stationary Engines<sup>1</sup>

Hana Power dispatches experienced engineers to shipyards, dry-docks, and power plants to perform hands-on technical services for both propulsion engines and generator engines.

### Inspection & Supervision:

- CMS inspection supervising
- Installation and commissioning supervision
- Dry-dock technical services for M/E and G/E



### Overhauling:

- Engine overhauling during dry-dock and shutdown periods<sup>2</sup>
- Piston crown repair and replacement
- Crankshaft replacement and testing
- Engine block replacement and alignment
- Camshaft bearing replacement and testing



### Adjustment & Maintenance:

- Fuel and exhaust cam adjustment (lead value, 2-part cam)
- Cam timing checking and adjustment
- Alpha lubricator maintenance
- Pneumatic and starting system maintenance



### Troubleshooting & Analysis:

- Governor hunting problem resolution
- Control and safety system troubleshooting
- Mechanical vibration measurement and analysis
- Performance and operational result analysis

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<sup>1</sup> MAN Energy Solutions has rebranded as Everllence.

<sup>2</sup> HPS pump, FIVA O/H, or new supply / Rexroth, Nabtesco, Parker, Muti-way Valve Complete, Proportional Valve

## One Authorized Partner for Engine Support

Hana Power delivers engine spare parts as the foundation, reinforced by authorized STX Engine supply, comprehensive technical services for marine and stationary engines, and an expanding machinery parts capability — all under one clear responsibility.

Why customers choose Hana Power:

- Authorized source for STX Engine spare parts
- Support for both MAN 4 stroke and MAN 2 stroke engines
- Reduced downtime through integrated supply and service

Track record:

- Over 8,000 four-stroke engine sets serviced
- Over 1,100 two-stroke engine sets supported

**8,000+**

*Four-Stroke Engine Sets Serviced*

**1,100+**

*Two-Stroke Engine Sets Supported*



## **Machinery & Auxiliary Parts – Expanding Supply Scope**

In addition to engine spare parts, Hana Power supplies a growing range of machinery and auxiliary parts required for vessels and power generation facilities.

Current supply brands include:

ACE VALVE  
BY CONTROLS INC  
CENTURY CORP.  
DAEYANG ELECTRIC CO.,LTD  
DONGHWA ENTEC  
HI AIR KOREA  
ILSEUNG CO.,LTD  
JUNG-A MARINE CO LTD

KANGRIM HEAVY IND.,LTD  
KORVAL CO.,LTD  
ORIENTAL PRECISIONS  
PAN-ASIA PRECISION & ENG  
PLEIGER FAR EAST CO.,LTD  
REXROTH  
SAMGONG CO LTD  
SHIN SHIN MACHINERY CO., LTD

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