Welcome to
Oil States Industries, Inc.

Oil States Industries (Thailand) Ltd.

Presented By

Oil States Thailand

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Oil States Thailand - Rayong, Thailand

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Oil States Thailand - Strategic Location for Asia

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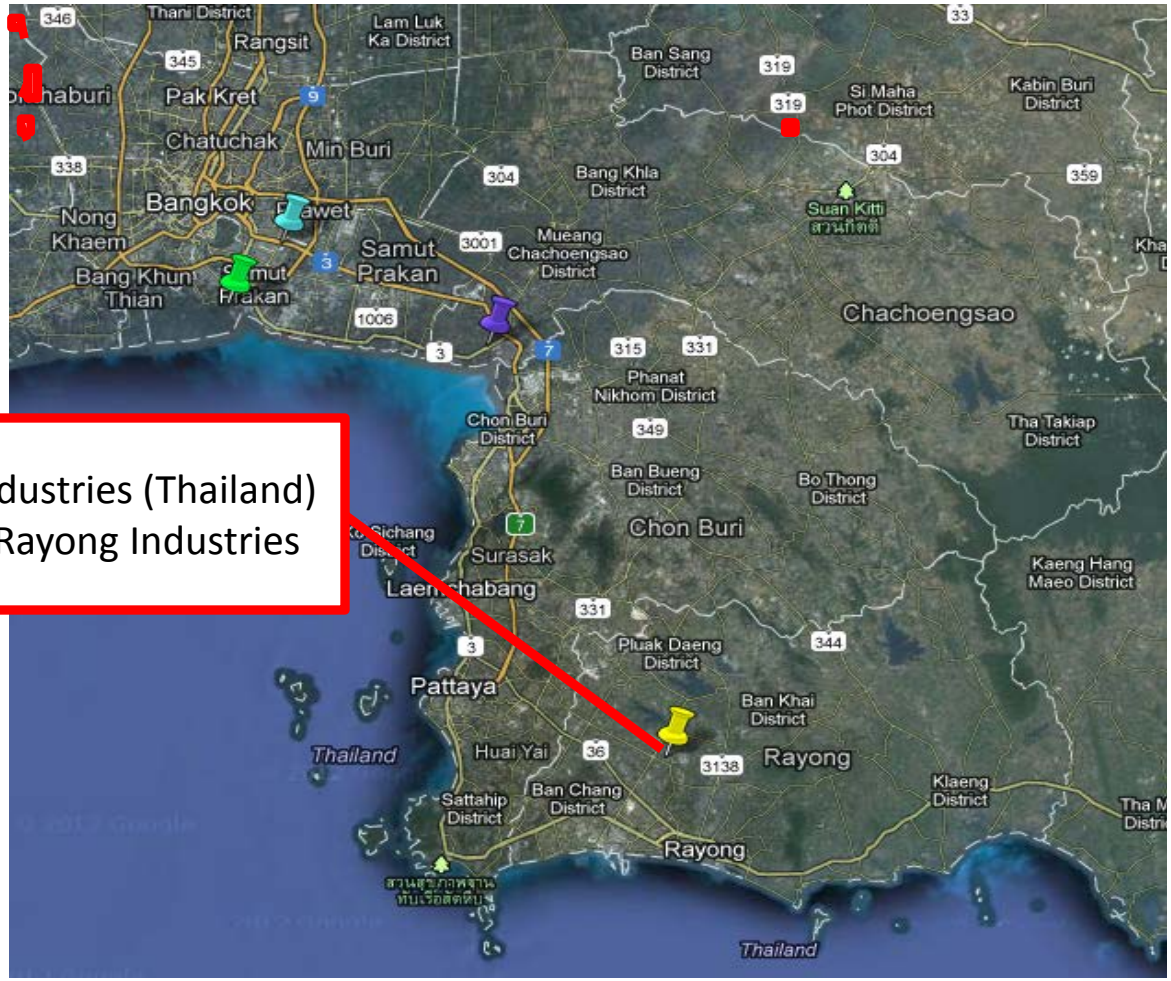
Positioned on Thailand Eastern Seaboard



New Oil States Industries (Thailand) LTD @ Hemaraj Rayong Industries

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Oil States Thailand

GPS:
12.831866,
101.248198

OIL STATES THAILAND LTD.

Oil States Industries (Thailand) Ltd.
343 Moo 3, Nong Lalok Sub-district,
Ban Khai District, Rayong 21120 ,Thailand
Telephone +66 (0)38 924 212 Fax : +66 (0)38 924 213

บริษัท ออยล์ สเตทส์ อินดัสทรีส์ (ประเทศไทย) จำกัด
343 หมู่ที่ 3 ตำบล หนองละลอก
อำเภอบ้านค่าย จังหวัดระยอง
21120 ประเทศไทย

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Oil States Thailand - Facility Overview

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Oil States Thailand - Facility Overview

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Painting/Blasting

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Hoist and Cylinder Testing Stands

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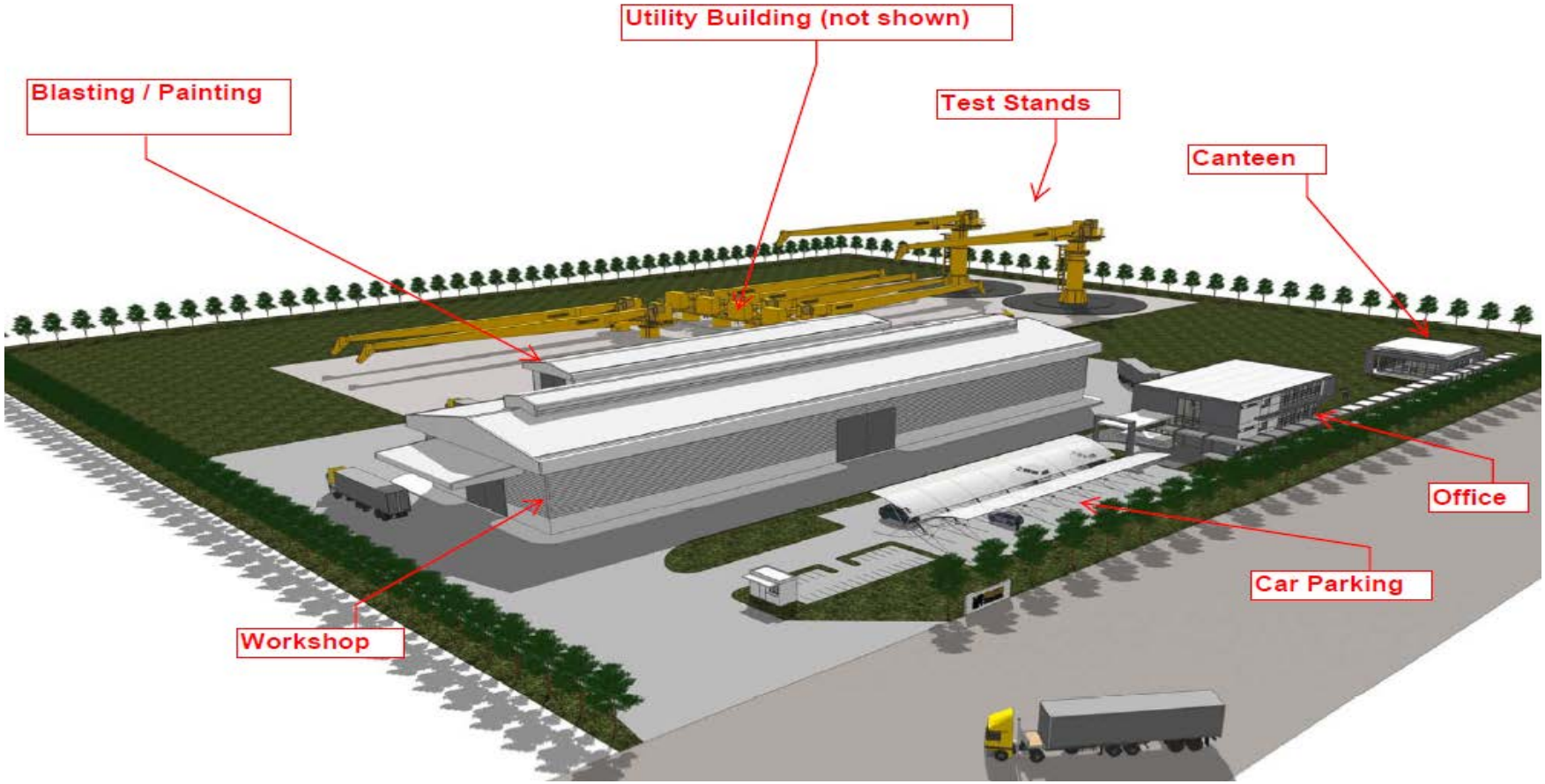
Facility Layout



- Nautilus Crane Sales, Aftermarket, Support, and Increased Manufacturing Facility for the Asia Region

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Oil States Thailand - Measured Area

Production Facility

Workshop	23,242 sq. ft.- 2,160sq. m.
Paint/Blasting	(2) 13,229 sq. ft.- 300 sq. m.
Offices	6,456 sq. ft.- 600 sq. m.
Total Under Roof	37,781 sq. ft.- 3,510 sq. m.
Total Facility	27 Rai (43,200 m2, 10.7 acres, 4.3 hectares)

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Oil States Thailand - Staff Statistics

Thailand Based Staff: 90+

Licensed Mechanical Engineers: 11

Licensed Engineers (Other): 7

Skilled Craftsman: 50+

- ✓ *Welders*
- ✓ *Fitters*
- ✓ *Assemblymen*
- ✓ *Electricians*
- ✓ *Field Service Technicians/Maintenance Mechanics*
- ✓ *Warehousemen*
- ✓ *Material Handlers & Operators*

Languages

- ✓ Thai, English, Lao, Bahasa, Japanese, Mandarin

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Oil States Thailand - Expansion Goal

- ✓ ***Setup at as Asian Service center for cranes in 2004***
- ✓ ***Expanded facility for full fabrication and testing since September 2013***
- ✓ ***Will provide quality employment and careers for more than 100 Thai nationals, and increase Thai Local Content***
- ✓ ***This facility will enable Oil States to provide in-country manufacturing and reinstallation to complement our original Asian Service capabilities.***

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Comprehensive Services

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Oil States Thailand - Comprehensive Services

➢ *Nautilus® Marine Cranes | API-2C Certified*

- Custom Fabrication
- Service
- Parts
- Inspection
- Training
- Rental Cranes
- New Crane Sales & Support
- Hydraulic Component Repair

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Oil States Thailand

- *Part of OSSS Houma/Thailand/India Group Focus*
  - ***Products and Services***
    - *New Products*
      - *SMATCO Marine Equipment (Houma)*
      - *Skagit Mooring Systems (Houma)*
      - *Nautilus Marine Cranes*
      - *Custom and Proprietary Fabrication*
      - *Custom and Proprietary Machining*
      - *Custom and Proprietary Coating*
      - *Heavy Assembly*
    - *Aftermarket*
      - *Service*
      - *Parts*
      - *Aftermarket Products*
      - *Repair and Refurbishment*

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Oil States Thailand - Products Capable of Supporting

Cranes

Custom Fabrication
Winches

Heavy Fabrication

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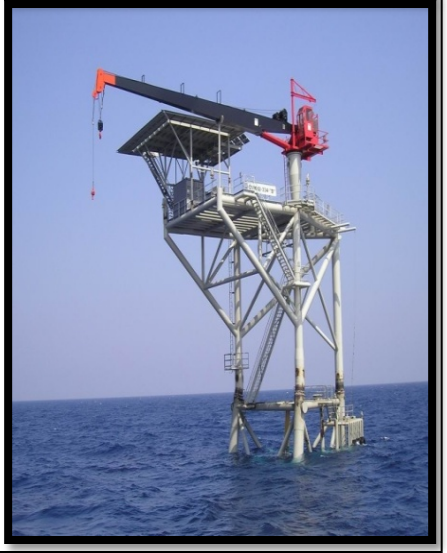
Oil States Thailand - New Manufactured Products

Sheaves, Fairleads



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Oil States Thailand - Box Boom Cranes

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Oil States Thailand - Lattice Boom Cranes

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Oil States Thailand - Telescopic Boom Cranes

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Oil States Thailand - Modular/Moveable Cranes

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Oil States Thailand - Crane Testing

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Oil States Thailand - Crane Assembly & Testing

Test Stand foundation capable of testing crane up to 90 ton crane

- Provide Reinstallation Service to customer .
- Option for reassemble and FAT in Thailand for customer ease to manage the project.

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Oil States Thailand - Crane Assembly & Testing

Two Test stands. Available to test two cranes at the same time!!

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Oil States Thailand - Deck Equipment Fabrication

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Oil States Thailand - Deck Equipment Fabrication

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Oil States Thailand - Deck Equipment Fabrication

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Service & Support

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Oil States Thailand - Service & Support

Oil States is a complete service facility with capabilities for performing all aspects of work on virtually all manufacturers' cranes and winches. As part of our crane service department, we offer:

- Maintenance, repairs, inspections and testing
- Rigging package upgrades
- Refurbishments to like-new condition
- Hydraulic system design, re-design and retro-fit services
- One of the largest inventories of crane and winch parts
- Boom and hoist exchange programs
- Over 65 trained service specialists available around the clock worldwide
- Training and certification on a variety of safety and operations related issues, including Operator and Rigger Certification.

Services available at Oil States facilities carry the same integrity as our Skagit, SMATCO and Nautilus® Marine Crane lines - they are designed with you in mind and are focused on maximized efficiency.

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Oil States Thailand - Service Training Matrix

- ✓ Lock Out/ Tag Out
- ✓ Electrical
- ✓ Fire Safety/ Prevention
- ✓ Confined Space Awareness
- ✓ HAZCOM Hazard Communication
- ✓ Hearing Conservation
- ✓ PPE
- ✓ Fall Protection User
- ✓ Fall Protection Competent Person
- ✓ Fall Protection Rescue
- ✓ Ladder Safety
- ✓ Back Safety
- ✓ Housekeeping
- ✓ 1st Aid/ CPR/ AED
- ✓ Bloodborn Pathogens
- ✓ Hand & Power Tools
- ✓ Water Survival
- ✓ Crane Operator
- ✓ Rigging
- ✓ Braden School
- ✓ Safe Gulf
- ✓ H2S
- ✓ Vehicle Safety
- ✓ HSE Orientation
- ✓ JSA
- ✓ BBS

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Oil States Thailand - Refurbishments

Before and After

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Oil States Thailand - Refurbishments

Before and After

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Oil States Thailand – Refurbishments/Before

180BT3-56
S/N: 049204C

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Oil States Thailand – Refurbishments/After

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Hyperlinks

Oil States Thailand - Repair/Return

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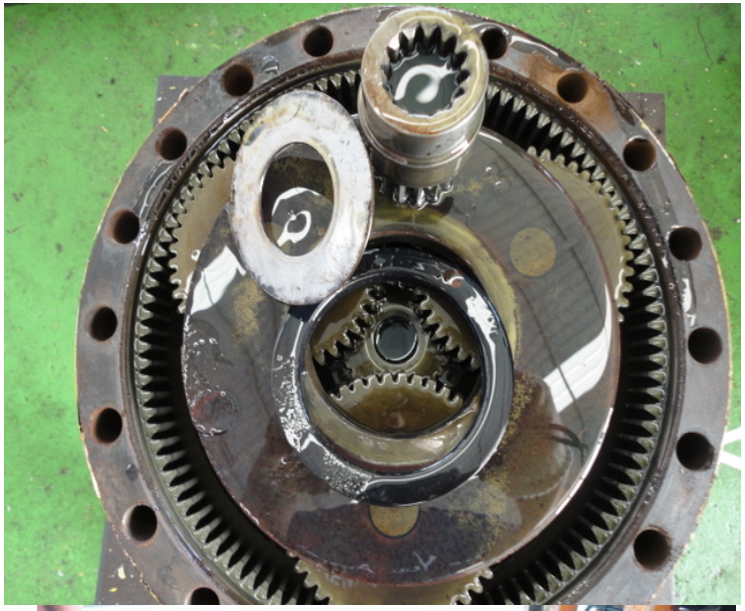
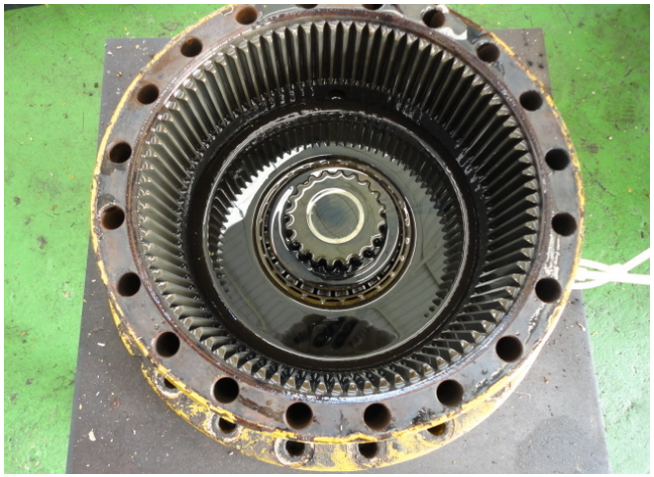
Oil States Thailand - Repair/Return: Gearboxes





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Oil States Thailand - Repair/Return: Hyd Swivels

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Oil States Thailand - Repair/Return: Load Blocks

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Oil States Thailand - Repair/Return: Aux Balls

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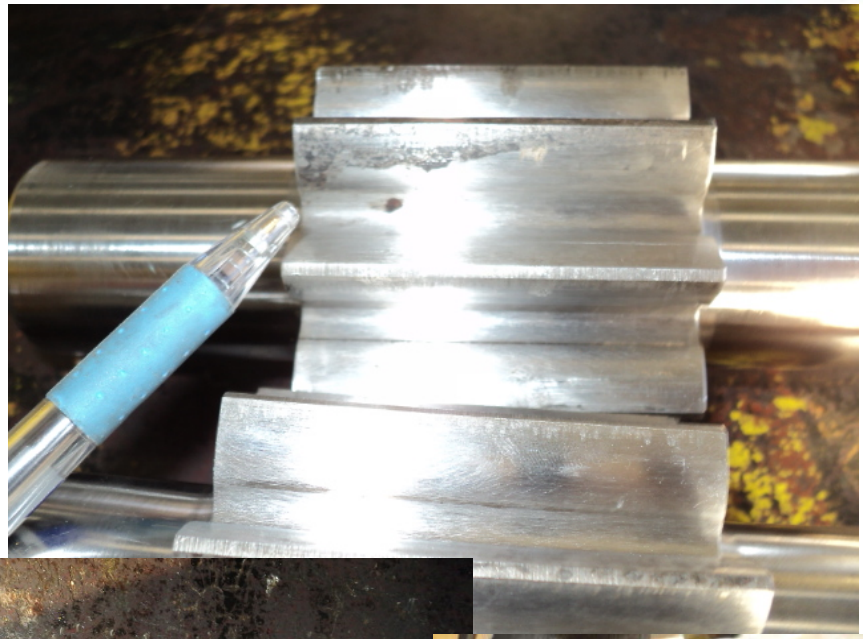
Oil States Thailand - Repair/Return: Pumps



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Oil States Thailand - Repair/Return: Swing Brakes

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Oil States Thailand - Repair/Return: Luffing Cylinders

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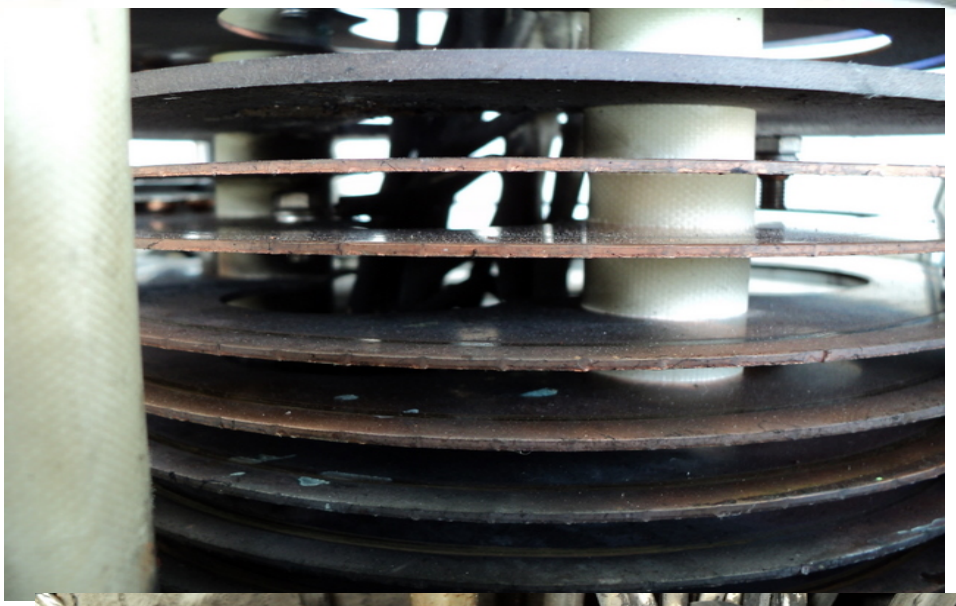
Oil States Thailand - Repair/Return: Electric Swivels



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Oil States Thailand - Repair/Return: Piston Motors

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Oil States Thailand - Repair/Return: Hyd. Motor Testing

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Oil States Thailand - Repair/Return: Hoists (Braden CH Series)

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Oil States Thailand - Repair/Return: Finished Goods

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Braden Authorized Service Center

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- *Braden Authorized Service Center - Personnel Certified*

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Braden Authorized Service Center-Personnel Cert

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Comprehensive Inventory

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Comprehensive Group Inventory Support

Oil States Houma carries on average in excess of $16,000,000 in total inventory unallocated, with estimated $5,400,000 of inventory on hand allocated to production jobs.

That's over $ 21,400,000,000 of available inventory 24/7/365.

Oil States Houma also carries over $400,000 in new Braden parts to support our customers needs.

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Comprehensive Inventory - Houma

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Inventory Thailand

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Hyperlinks

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Service and Support for All Makes / Brands Marine Cranes

- American Aero
- Titan
- Seatrax
- Sea King
- Skagit
- Amclyde
- Lieber
- Favco
- Hydro Lift
- LeTourneau

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Hyperlinks

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Crane Rentals

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Modular Rental Cranes

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Crane Offshore Services

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Offshore Services – Crane Inspection and Repair

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Offshore Services – Ball-ring Change Out

- *Ball-Ring Change Out: Torque Ball-Ring Bolts*

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Offshore Services – Load Testing

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Offshore Services- Boom Servicing

- *Align Boring: American Aero B-65*

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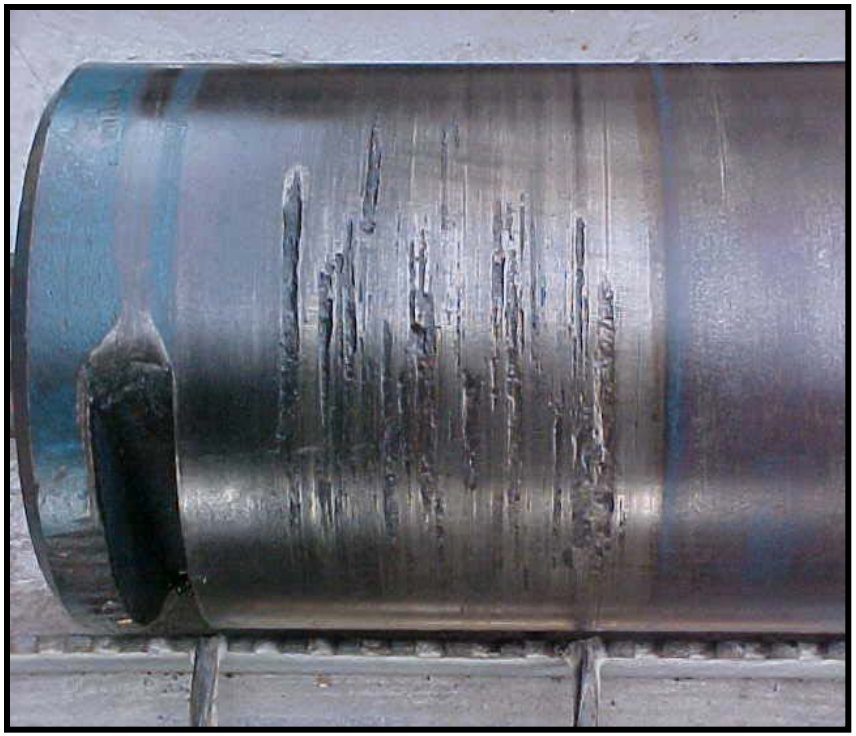
Offshore services – Align Boring



➢ *Align Boring: American Aero B-65*

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Added Services to Asian Region

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Enhanced Manufacturing and Reinstallation Capability

- ***Manufacturing Winches and Crane Project in Thailand***
- ***Provide manufacturing location options among Houma, India, and Thailand***
- ***Ability to perform Crane Assembly and FAT in Thailand.***
- ***Be able to offer Crane Reinstallation and deliver One-Pieced Crane to Thai Contractor. Offer the Competitive Edge to Thai customer***
- ***All risk during the crane reinstallation at Thai Contractor yard now is diminished***

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Tested and Proven Projects

COSCO Energy Drilling:

- ***Storage Winch Reel delivery to China***

CUEL Phase 46/8 and 46/9:

- ***Pilot Reinstallation Project***

Pax Ocean Engineering:

- ***84-LHAW-283T/320T Double-Drum Low-Pressure Hydraulic Winch***

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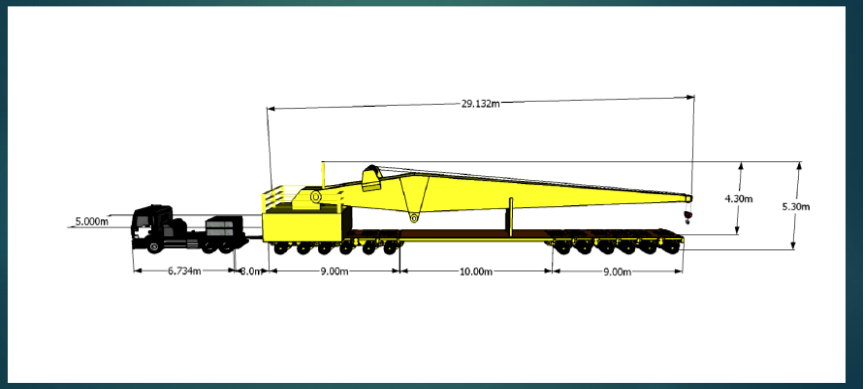
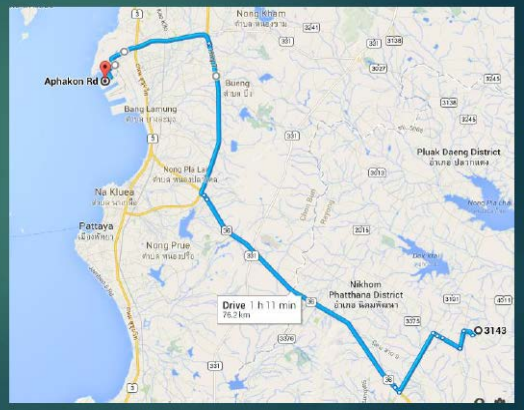
Transport Drawing

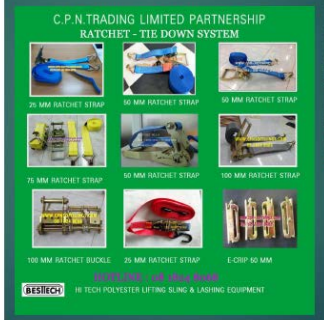


ROUTE SURVEY

- Oil States to CUEL



Lashing Equipment and Certificate



Route Survey is finished. Cranes are ready to be delivered in one-piece.

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Thank You…

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