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Case Study: Marine Style 206

Extreme Pressure Service

CASE STUDY : ABS Type Approved Style 206 Expansion Joint in diesel generators powering offshore semi-submersible drill rigs.

INDUSTRY:

Marine - Offshore Drilling

BACKGROUND:

Diesel generators on semi-submersible drill rigs with 11 expansion joints per generator and each rig is powered by 6 diesel generators. Each generator was rated at a 100% load of 5200 ekw. There are also many other expansion joints provided for connection points to all the piping and flanges.

1. Size: 4 "x 6" FF Expansion joints
2. Temperature: The temp in the engine room, depending on where the vessel will be used, can obviously range from extreme cold to extreme heat.
3. Media: Fuel/ Water.

OBSERVATION:

Garlock's expansion joints were chosen because of the safety and reliability they offer after the failure of several competitor's expansion joints. Safety is a huge concern (especially when used with fuel and oil). The vessel is designed to have an unmanned engine room. If these fail without notice, it could lead to a fire or cause several other environmental concerns.

VALUE PROPOSITION:

Garlock Expansion Joints offer superior performance, reliability and service life. This in turn improves plant safety, increases the mechanical integrity of equipment and allows customers to gain a competitive advantage in the market place.

For more information, please visit www.garlock.com.

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