Air Cooled Solutions for Oil and Gas Power.

API Heat Transfer provides custom air cooled solutions that give oil and gas customers the durability, reliability, and performance they need. With proven heavy-duty designs, we deliver an unrivaled range of cooling products engineered for the extreme environments of drilling and well servicing applications.

Products.

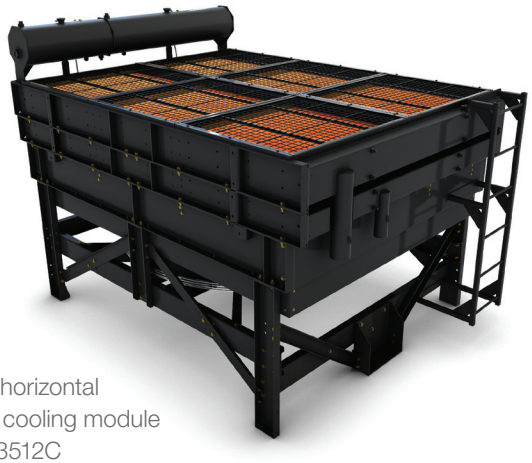
- **Air cooled systems**
- **Radiators**
- **Oil coolers**
- **Charge air coolers**

Performance notes.

- **Latest technology tailored to the requirements of your oil and gas application**
- **Unparalleled corrosion protection through proper material selection and barrier coatings**
- **Variety of high-efficiency cores designed for any environment**
- **Non-louvered fins for protection from clogging and debris**
- **Product innovation to continuously improve our solutions**
- **Design validation prior to application in our state-of-the-art testing facilities**
- **Experienced partner with major OE manufacturers and engine companies**

Applications.

- Offshore gensets
- Land-based gensets
- Offshore drilling
- Well frac units
- Mixers/blenders
- Drilling modules
- Pump packages
- Workover rigs



Custom horizontal
well frac cooling module
for CAT 3512C

Custom horizontal
well frac cooling module
for Cummins QSK50

Performance Report No. 4272

Collaborative engineering for better engine performance.

When a world-class engine manufacturer introduced a new diesel engine for petroleum applications, we delivered a custom cooling package for their first unit – in record time.

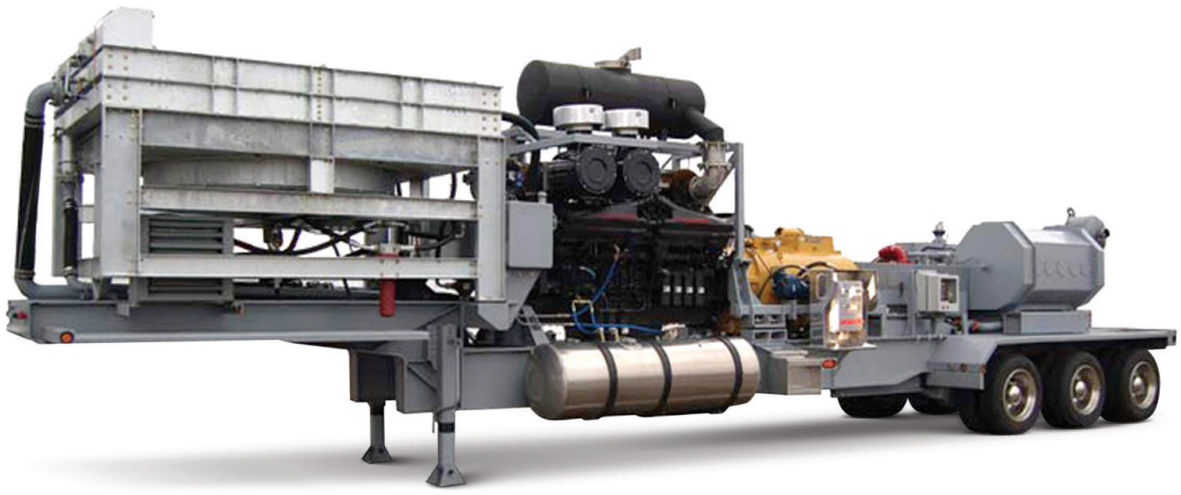
The first engine was destined for a leading OE manufacturer of well frac units. This application demanded custom-engineered cooling as a critical component to proper engine performance. The engine manufacturer recommended that the well frac OE consider API Heat Transfer to design the cooling package. A referral based on our successful history of collaborative work with the engine manufacturer's petroleum design-to-order group.

Teaming up early in the engine development cycle, the engine manufacturer provided initial heat rejection values for both circuits, as well as data for the different water pumps available for the engine. Using this information, our engineers ran exhaustive panels of sequential calculations to determine the ideal split between the aftercooler and jacket-water sections of the radiator, resulting in optimal heat rejections and coolant flows for both circuits.

Our ability to fully assess and understand the specs of this application allowed us to customize the right engine cooling solution for the OE's well frac unit.

OEs find that this collaborative approach drives innovation, quality, and efficiencies that accelerate time-to-market. The relationship allows us to custom-engineer and manufacture the ultimate cooling solution for each opportunity – ensuring engine performance whether on land or offshore.

To discuss your current application with one of our experienced engineers, call +1.716.684.6700 or visit apiheattransfer.com



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