



Oronite



Create more value
for your business



Add Oronite.®

ADDING UP®



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A Letter from Bruce Chinn

President, Chevron Oronite

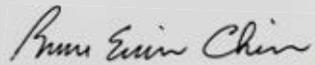
Chevron Oronite has reached many milestones over the 100 plus years we've been in business and we are still moving full speed ahead. We're particularly proud of the work that our 2,000 employees have been doing on behalf of our customers in recent years. Together, we have deepened our relationships, developed innovative technology, and strengthened our supply reliability.

We have achieved all this while expanding our global manufacturing capacity to better serve our customers. You may be familiar with some of these developments. For example, planning a wholly-owned additive manufacturing plant in Ningbo, China; expanding detergent capacity in Gonfreville, France; adding Carboxylate production capacity in Singapore; and upgrading the infrastructure at our Belle Chasse, Louisiana, USA, facility.

Through the sections titled: About Us, The Value We Deliver and Our Product Lines, you'll get a clearer picture of how we've accomplished these goals. You'll also learn about how Oronite's people and our products share a common goal to go to work for our customers and how it all adds up to deliver value.

So please take a look at what Oronite has to offer and let us know how we can become your additive supplier of choice. For more information, simply search the contact information page or visit us at www.oroniteaddsup.com. We are looking forward to hearing from you.

Thank you,



Bruce Chinn



Who We Are Adds Up

Chevron Oronite is a world-class developer, manufacturer, and marketer of lubricant and fuel additives and chemicals designed to help enhance the performance of all types of transportation and industrial equipment. **Our vision is to be the global additives company most admired for its people, partnership, and performance.**

To achieve this, we leverage our global manufacturing, supply chain, and research and development capabilities to develop trusted technical solutions that help differentiate our customers' products and create value for them in the marketplace. Most importantly, it's the commitment of over 2,000 employees that fuels our vision every day through a shared set of core values that help distinguish us and guide us in every corner of the globe.



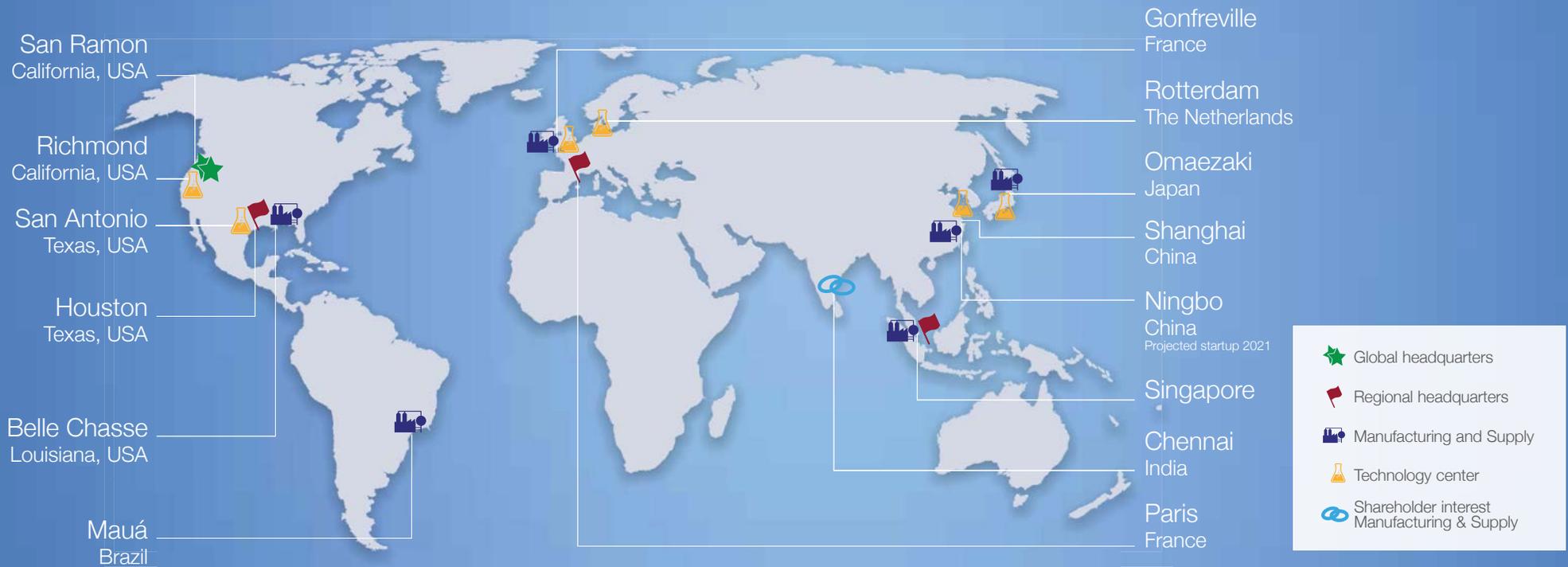


What We Stand For Adds Up

People, partnership, and performance are at the heart of what we do. When you work with Chevron Oronite, you can count on the dedication of our employees and their extensive knowledge, years of experience, and close relationships with industry stakeholders and vendors to help anticipate your business needs. We also have a strong philosophy to operate with integrity in all aspects of our business.

At the end of the day, you can count on our focus and commitment to provide exceptional reliability, build enduring relationships, and develop innovative technology. And as part of one of the world's leading energy companies, we are able to leverage our extensive resources to help set us apart in the industry. This adds up to increased differentiation in the marketplace.

ORONITE ADDS UP AROUND THE WORLD



Where We Are Adds Up

Building on the confidence and trust our customers place in us, we leverage a robust global supply chain to provide the flexibility and security to meet customer product needs now and well into the future.

In fact, we have been steadily achieving milestones within multiple capital projects that help position us for growth, market-leading supply reliability, and increased global flexibility for the foreseeable future. When combined with

increases in technology investments that will help advance and differentiate our additive packages, these initiatives will enable Chevron Oronite to better serve our customers worldwide.

Oronite manufacturing plants are ISO Certified for quality and environmental management and operate in accordance with the Responsible Care® guidelines set by the American Chemistry Council.



How We Do Business Adds Up

Chevron Oronite is focused on our customers. By committing to long-term collaborative relationships built on trust, integrity and flexibility we can create and act on a shared vision to help us achieve our business goals together. That means our customers can be confident that we will do what we say we will do.

As part of our commitment to supply quality products safely and reliably, on time, every time, we will work with our customers hand-in-hand to help offer individual customized solutions that work best for their needs.



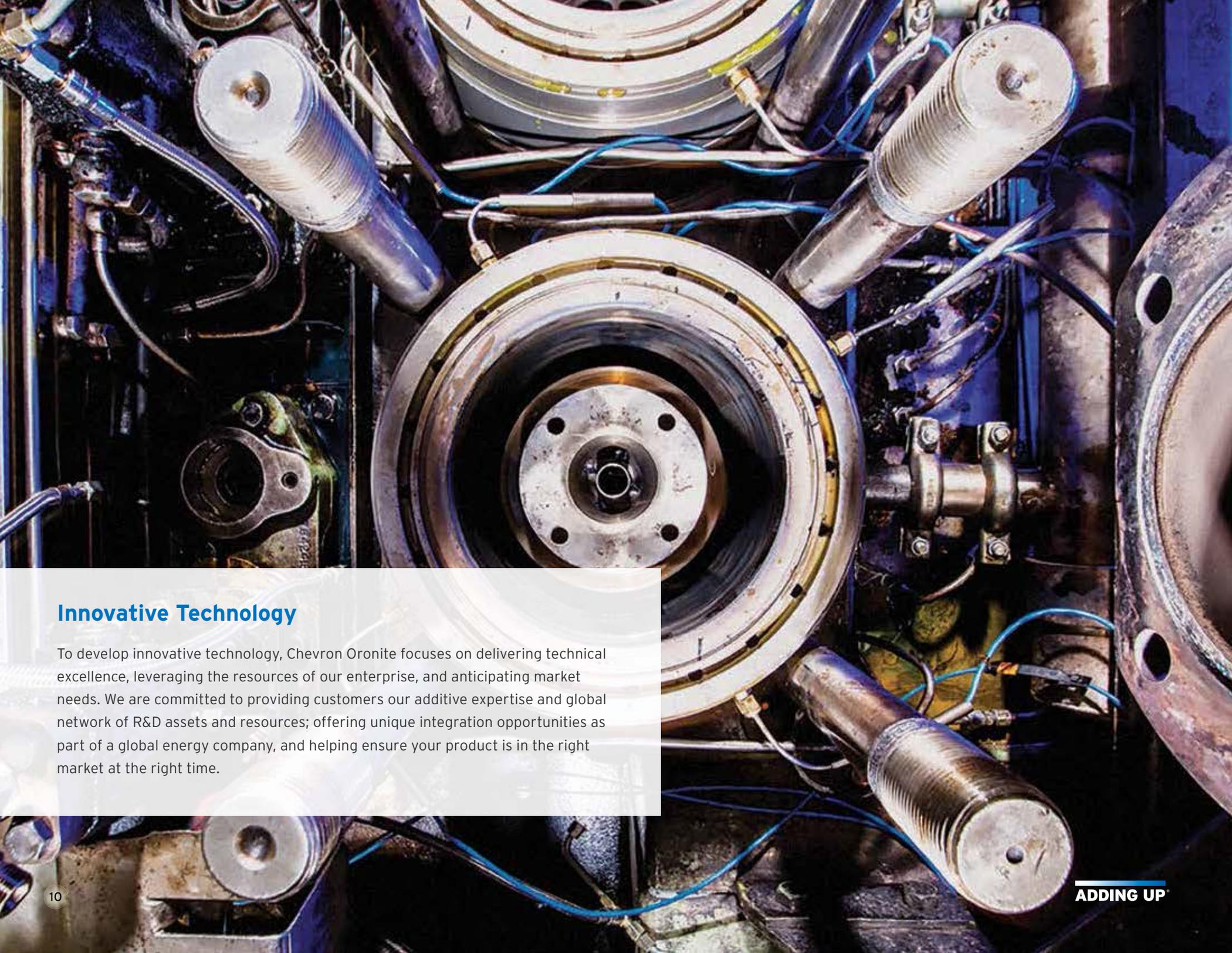
Exceptional Reliability

To provide exceptional reliability, Chevron Oronite focuses on delivering operational excellence, consistent product quality, and a reliable global supply. We are committed to protecting people and the environment at a world class level; delivering high-quality products manufactured to meet our customers' precise specifications; and leveraging a robust global supply chain to help provide the flexibility and security our customers rely on.



Enduring Relationships

To build enduring relationships, Chevron Oronite focuses on delivering strategic alignment with its customers, providing insights that create value, and operating with the highest integrity. We do this by working to develop a shared vision with our customers; utilizing our industry network, such as our close Original Equipment Manufacturer (OEM) relationships, to help assess market trends; and developing confidence and trust by doing what we say we will do.



Innovative Technology

To develop innovative technology, Chevron Oronite focuses on delivering technical excellence, leveraging the resources of our enterprise, and anticipating market needs. We are committed to providing customers our additive expertise and global network of R&D assets and resources; offering unique integration opportunities as part of a global energy company, and helping ensure your product is in the right market at the right time.



Our Product Lines

Lubricants serve three primary purposes:

1. lubrication and friction reduction by preventing surfaces from coming into contact with one another;
2. cooling of lubricated parts, and
3. removal of contaminants.

Additives like the ones created by Chevron Oronite help the lubricant perform its job even better. To provide these additives, Oronite works in research and manufacturing centers around the world – Richmond, California, USA; Gonfreville, France; Omaezaki, Japan; Rotterdam, The Netherlands – to create our comprehensive offering of hundreds of components and OLOA® brand additive packages. We do this work in collaboration with Original Equipment Manufacturers (OEMs) and over 30 global industry associations to build a product portfolio that helps meet our customers' needs.



Lubricant Additives

Lubricant additives help reduce wear, extend drain intervals, and allow operation over a wider range of temperatures in engines. Some additives, like those produced by Chevron Oronite, permit lubricants to perform better under severe conditions, such as extreme pressures and temperatures and high levels of contamination.



Automotive (PCMO and HDEO)

Chevron Oronite is respected for developing, manufacturing, and supplying highly effective lubricant additive technology for both passenger cars and heavy-duty engines. Thanks to our strong relationships with Original Equipment Manufacturers (OEMs), Oronite is able to gain early access to evolving engine technologies in order to deliver high performance component packages that help meet the future needs of our customers.

Passenger Car Motor Oils

Passenger Car Motor Oils (PCMO) provide engine protection in a wide variety of applications and conditions. Oronite PCMO technology provides the performance to balance the demands of improved engine cleanliness and extended service intervals. It also helps reduce fuel consumption using unique additives that maximize deposit control, reduce engine wear, and control viscosity.

Heavy-Duty Diesel Engine Oils

Heavy-Duty Engine Oils (HDEO) operate in sustained high-load conditions at high temperatures and in the presence of soot. Our additives are field-tested to help ensure reduced wear, ring sticking and deposits, while at the same time dispersing soot and controlling viscosity. This helps to minimize downtime for equipment and vehicles; helping also to increase engine life.

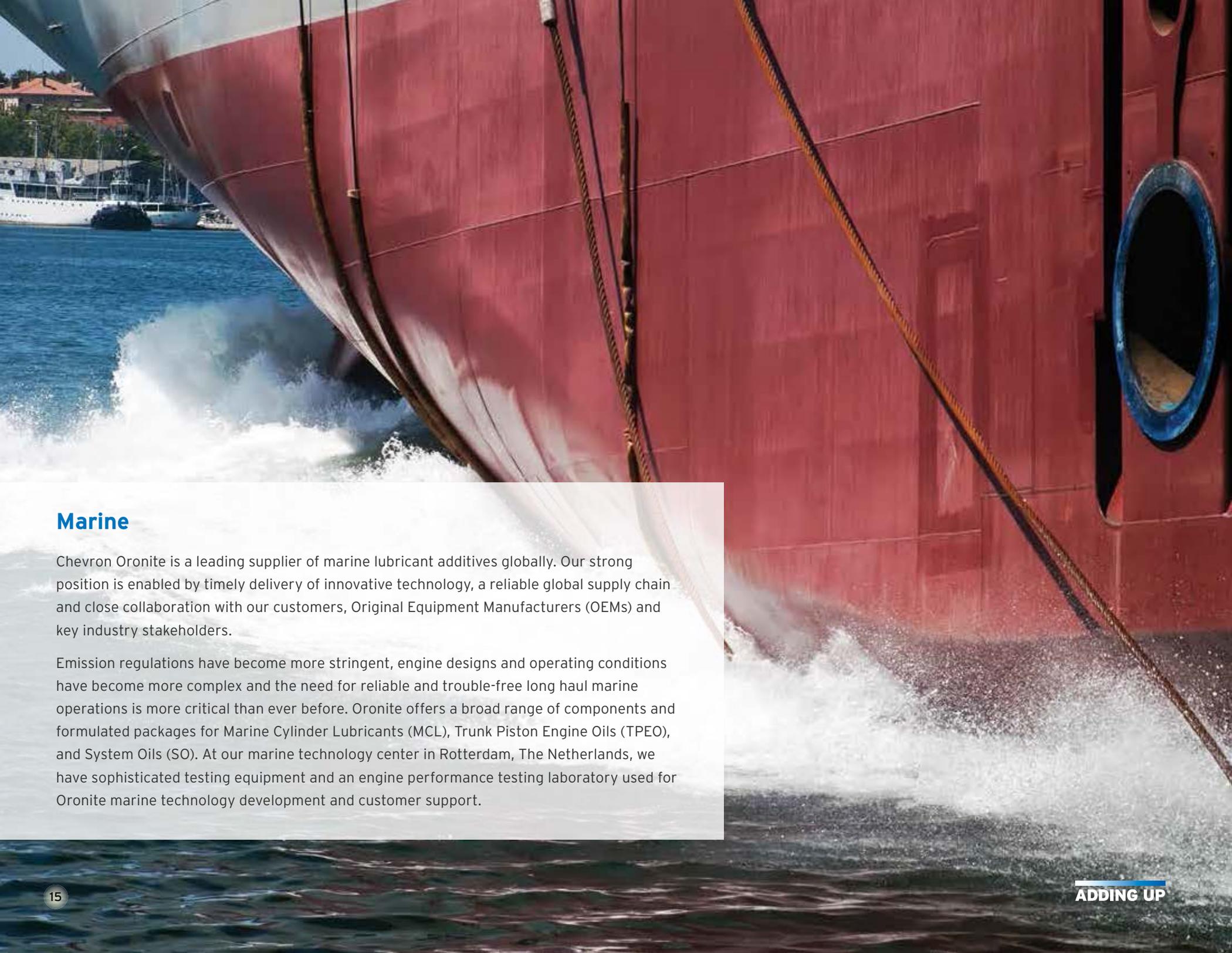


PARATONE® Viscosity Modifiers

Viscosity Modifiers (VM) are polymeric additives which thicken oil at high temperatures to allow formulation of multi-grade engine oils. They also help improve the operability of equipment and engines over a wider range of temperature conditions. PARATONE®, our Chevron Oronite family of VMs, provides high thickening at low relative polymer treats; strong mechanical shear stability for maintaining stay-in-grade at long drain intervals; low contribution to cold-cranking viscosity for outstanding volatility; and good low-temperature

performance without sacrificing high-temperature high-shear rate protection. PARATONE's high thickening efficiency reduces the total polymer content versus competitive OCP products, resulting in lower contributions to piston deposits.

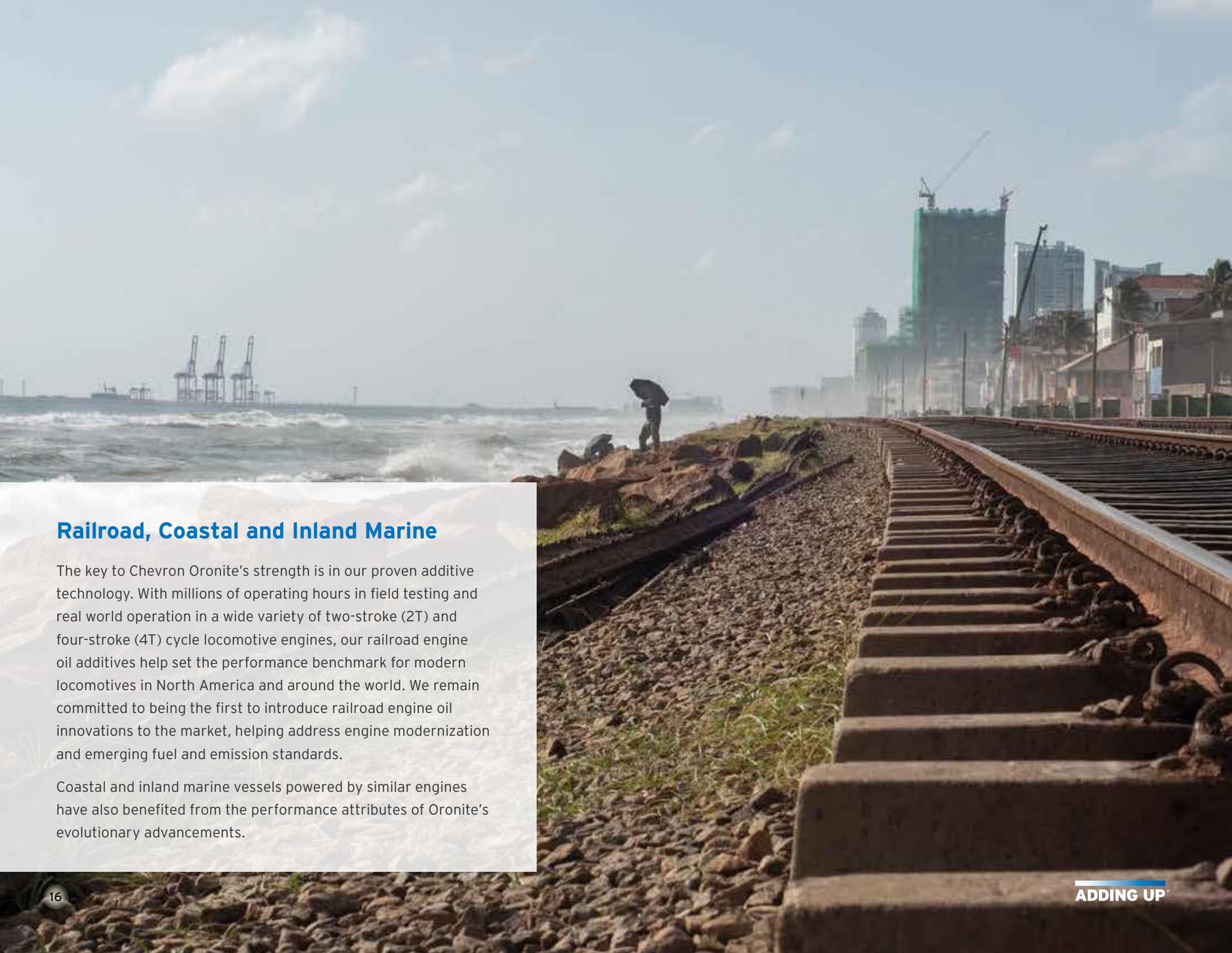
PARATONE chemistry provides an excellent balance of attributes and flexibility needed to formulate oils according to today's stringent performance requirements and high quality standards.



Marine

Chevron Oronite is a leading supplier of marine lubricant additives globally. Our strong position is enabled by timely delivery of innovative technology, a reliable global supply chain and close collaboration with our customers, Original Equipment Manufacturers (OEMs) and key industry stakeholders.

Emission regulations have become more stringent, engine designs and operating conditions have become more complex and the need for reliable and trouble-free long haul marine operations is more critical than ever before. Oronite offers a broad range of components and formulated packages for Marine Cylinder Lubricants (MCL), Trunk Piston Engine Oils (TPEO), and System Oils (SO). At our marine technology center in Rotterdam, The Netherlands, we have sophisticated testing equipment and an engine performance testing laboratory used for Oronite marine technology development and customer support.



Railroad, Coastal and Inland Marine

The key to Chevron Oronite's strength is in our proven additive technology. With millions of operating hours in field testing and real world operation in a wide variety of two-stroke (2T) and four-stroke (4T) cycle locomotive engines, our railroad engine oil additives help set the performance benchmark for modern locomotives in North America and around the world. We remain committed to being the first to introduce railroad engine oil innovations to the market, helping address engine modernization and emerging fuel and emission standards.

Coastal and inland marine vessels powered by similar engines have also benefited from the performance attributes of Oronite's evolutionary advancements.



Natural Gas and Stationary Power

As an industry leader in this segment, Chevron Oronite has delivered new technology and innovation in areas such as landfill, bio-gas and mobile natural gas engine applications. The growing use of natural gas has fueled an increase in demand for high performance lubricants meeting engine manufacturers' requirements. In addition to the naturally higher temperatures and pressures in these engines, stringent emission requirements have created an even greater complexity of performance factors that contribute to the effectiveness of these engines on the job.

For example, gas compression service engines operate under high loads while exposed to extreme environments in remote locations. Fuel quality can vary greatly with many engines operating on wellhead gas with increased levels of contaminants. Modern natural gas engines develop high brake-mean-effective-pressure (BMEP), resulting in high temperature and pressure which increases the dependency on additives that prevent ring sticking and other mechanical problems. Time and again, Oronite has consistently proven that we can meet these tough demands, leveraging our Original Equipment Manufacturer (OEM) relationships, formulating expertise and field-testing experience.



Small Engine Lubricant Additives

Environmental regulations have created a shift from two-stroke (2T) to four-stroke (4T) engines in the motorcycle market. We know their lubrication requirements are different than those of passenger cars. That is why our 4T engine lubricants offer optimum clutch performance, outstanding protection to critical parts, control of harmful carbon deposits, reduced power loss, and gear wear protection.

Though environmental regulations have impacted both production and design of 2T engines, there are still many bikes, scooters, go-karts, chainsaws

and other machines with those engines. That is why Chevron Oronite is still committed to 2T air-cooled engine oil technology that maximizes engine performance and durability while minimizing emissions.

When it comes to 2T and 4T water-cooled engine lubricants, Oronite has continued to strengthen its leadership in a sector that requires maximum reliability by developing products for direct fuel injection (DFI) in 2T engines and lubricants meeting the National Marine Manufacturers Association (NMMA) FC-WTM Certification for 4T engines.



Power Transmission Fluids and Hydraulic Oils

Chevron Oronite additive systems for Power Transmission Fluids (PTF) and Tractor Hydraulic Fluids (THF) provide outstanding protection and performance that handle increasing fluid power requirements, ensure smooth clutch shift, and offer a noise and vibration-free operating experience. This is why our additives are used as factory and service fill by some of the leading tractor brands.

Oronite is also a proven leader when it comes to anti-wear hydraulic oil. Since hydraulic pumps are smaller, more complex, and are required to handle higher flow rates, pressures, and temperatures, we have developed solutions to help improve the reliability and performance of modern hydraulic equipment for a wide range of applications.

Chemicals

Chevron Oronite is a leading developer, manufacturer and marketer of a wide variety of materials, which combine to form our Chemicals business. It is divided into three categories:

- Raw Materials, including: Propylene Tetramer and Propylene Pentamer, which can be used as chemical intermediates or solvents;
- Intermediates, including: alkylphenols, PIBSA and alkylates for applications from chemical intermediates to lubricant oils; and
- Components, including: dispersants, sulfonates, phenates and ZnDTP.

The Oronite Chemicals Team provides dedicated resources to help support your business. We can meet your long-term product needs with supply-chain capabilities from our three world-class manufacturing plants and global product terminals.



Fuel Additives

Chevron Oronite is an industry leader in fuel additive technology. Oronite fuel additives not only prevent and remove harmful deposits from low-quality fuels; they help protect sensitive fuel system components. Effective fuel additives minimize the formation of deposits in the fuel intake system and/or combustion chamber which result from engine operations. They also help to minimize power loss, maintain drivability, and minimize exhaust emissions.

Bulk Gasoline Additives

Oronite Gasoline Additives (OGA®) are recognized worldwide for their effectiveness, and are critical in reducing or removing deposits caused by gasoline and lube oil components which can degrade engine performance. We specialize in additives that deliver results in all types of gasoline, including those containing ethanol or other oxygenates.

Aftermarket Fuel Additives

Aftermarket additives are an excellent choice for preventative maintenance, and as a precaution against fuel-related problems. These additives may improve and clean up deposits from low-quality fuel, and with that, address deposit-related automotive problems such as lost fuel economy and performance, poor drivability, rough starts, excessive emissions, increased octane requirement, knocking, hesitation or stalling.

Oronite develops new additives with unique attributes, and can help design formulations with customized performance claims.



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