

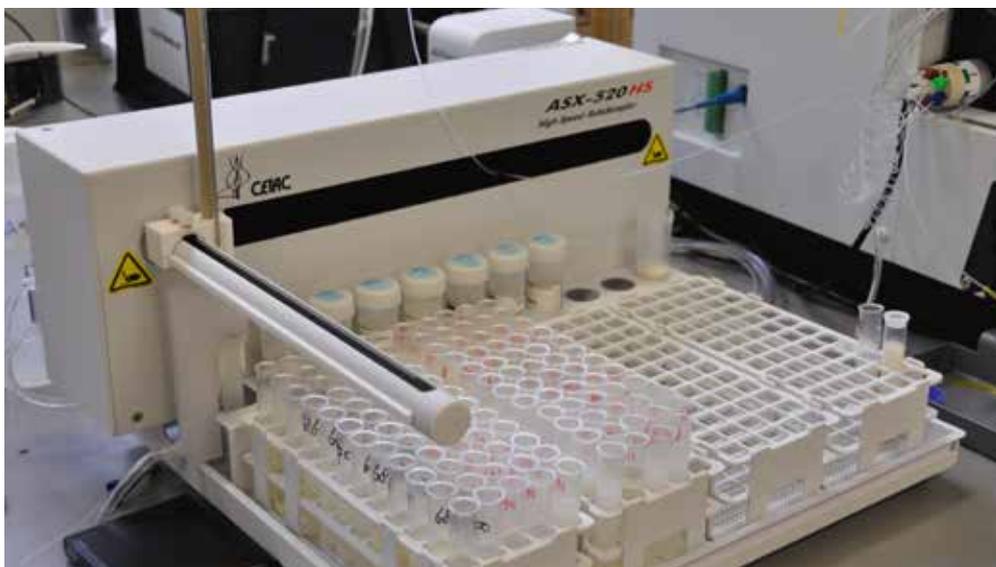
Testing to avoid damage

Based in the UK with operations worldwide, Intertek operates in the global Quality industry assessing the products and commodities bought or sold by its customers against a wide range of safety, regulatory and performance standards, to help these customers achieve their quality goals and improve their products, assets and processes. In the Benelux, the petrochemical industry is an important vertical for Intertek; the company has two labs there and it also performs in-house tests. Its Rotterdam facility recently added enhanced quality testing and condition monitoring services for Metalworking Fluids (MWFs) to its portfolio of services. "It is important to monitor the quality and condition of MWFs over their operating lifetimes to avoid expensive damage to expensive metal cutting machinery and costly downtime for repairs," explains Joeri Verwijs, responsible for marketing and communication at Intertek Netherlands.

Intertek has a history dating back all the way to 1885. The company has been focused on testing and quality assurance from the start. Over the past five years, it has grown exponentially, both organically and through acquisitions including that of Moody, a worldwide technical services organisation, in 2011. Moody had 2,500 employees in 60 countries and was a globally leading provider of visual technical-inspection services.

Acquisitions such as Moody's have made Intertek a global leader across many sectors of the quality industry. It today offers a broad range of services, including auditing and inspection, testing, training, advisory, quality assurance and certification. The company has a network of more than 1,000 laboratories and offices, employing over 38,000 people in more than 100 countries. "These labs and offices test virtually everything, from food to plastics through to chemicals, toys and building materials," says Verwijs.

In the Netherlands, Intertek has a petroleum and chemical testing laboratory located in Rotterdam which provides testing and inspection services supporting a wide range of customers and industries. The Rotterdam lab tests crude oil, refined fuels, lubricants, petrochemicals and other petroleum and chemical products. The other Dutch Intertek location, in Geleen, provides extensive analytical testing and technical services to the plastics, (petro) chemical, automotive, packaging and other related industries; it is located next door to DSM, a global, multinational life sciences and materials sciences company. Intertek in Geleen





also delivers technical services related to emission, industrial hygiene and waste water monitoring.

Intertek Rotterdam works closely together with Intertek Antwerp, as both mainly serve the petrochemical industry at their local port, as Mr. Verwijs explains. One important test category at Intertek in the Benelux is Oil Condition Monitoring (OCM), of which the newly enhanced Metalworking Fluids service is also part of. Under the OCM umbrella, Intertek offers predictive maintenance programmes to help clients avoid costly machinery, engine and power-train failures. Its OCM tests measure engine oils, lubricating oils, and other fluids for the detection of lubricant engine wear, lubricant quality degradation, and other problems. Operating on a global basis, Intertek OCM condition monitoring labs offer detailed oil and lube testing results, presented in easy-to-read and understandable reports. The laboratories provide expert oil analysis, including spectrometry, viscosity, dilution, water detection, acid number, base number, particle counting, and microscopy analysis to accurately test lubricant oil samples. "Expansions to our analytical capabilities allow the laboratory to increase the volume of MWF analysis work and to be able to accept large volume testing requests while maintaining quick and accurate results that are price competitive."

The newly added service category in Rotterdam, enhanced quality testing and condition monitoring services for Metalworking Fluids (MWFs), is a first for Intertek OCM worldwide, he adds. By increasing the number of quality staff, with a wide range of expertise, and new equipment, the laboratory in Rotterdam is the only facility in the Intertek network of laboratories that is capable of providing many of the tests required for Metalworking Fluids.

Metalworking fluids are complex formulations which contain diverse additive types to ensure optimum performance. Metal cutting creates heat and particles which can damage equipment and products. Among the benefits and expected functions of MWF's are cooling, lubricity, corrosion protection, welding prevention, metal chip flushing, metal fragment removal, and surface integrity improvement. Contaminants such as microbes and "tramp oil" can also enter MWF systems, accelerating fluid degradation over time. For these reasons, it is important to monitor the quality and condition of MWFs over their operating lifetimes to help ensure performance can be maintained at acceptable levels, which is exactly where Intertek comes in. Its new fluid condition monitoring laboratory in Rotterdam helps clients avoid expensive damage to expensive metal cutting machinery and costly downtime for repairs. Wear metal

testing detects metal wear contamination, improving machinery reliability and preventing damage and downtime.

With the new services for metalworking fluids, Intertek now offers a complete oil condition monitoring portfolio, for both lubricant oils and metalworking fluids, in Rotterdam. Verwijs says that if the new services prove to be a success, other labs in the global Intertek network might duplicate them. The new services are primarily targeted at extending services for existing customers but Intertek obviously also hopes they will help to further increase market share.

The Intertek logo consists of the word "Intertek" in a white, sans-serif font, centered within a dark blue rounded rectangular background.

Intertek
Leerlooierstraat 135
3194 AB Hoogvliet
The Netherlands
Website: www.intertek.com