



**SPECTRO  
JET-CARE**

# Coolant Analysis

Coolant quality and condition is often overlooked and can compromise reliability and operational performance by as much as 50%.

As part of an engine's routine service cylinder heads, water pumps and after coolers, for example, are replaced. As a result the coolant concentration will undoubtedly change. This can expose the risk of cooling systems freezing during the winter months, if the dilution is not kept up to strength, therefore allowing corrosion to take effect. Adding too much glycol mix or additive can also have an adverse effect by changing the heat rejection capabilities of the jacket water circuit and after cooler circuits, thus leading to overheating.

The addition of a quarterly coolant sample regime, as part of your regular service management program, will ensure that your coolant systems are maintained and protected at optimum levels for both performance and durability.

## Coolant Analysis Tests

- Alkaline reserve
- Color/appearance
- Water mass %
- Chloride/Sulfate content
- Electrical Conductivity
- Relative density & specific gravity
- pH value
- Composition % by weight / total solids
- Coolant strength
- Total hardness
- Freeze & Boiling point

## Quality Analysis Services

UKAS, the United Kingdom Accreditation Service and SAS, the Swiss Accreditation Service, ensure all our laboratories comply with the ISO/IEC 17025:2017 standard.

The use of the UKAS / SAS accreditation mark does not imply that all activities are accredited by UKAS / SAS. Accreditation covers the laboratory activities in accordance with the Schedules of Accreditation, which can be found on either on our website or the UKAS / SAS websites.

## CONTACT US

### Spectro | Jet-Care

Hatchwood Place, Farnham Road  
Odiham, Hampshire, RG29 1AB, UK

T +44 (0) 1256 704000  
E enquiries@spectro-oil.com

### Jet-Care International Inc

3 Saddle Road, Cedar Knolls  
NJ 07927, USA

T +1 973 292 9597  
E inquiries@jet-care.com

### Spectro Oil AG

Landstrasse 23,  
CH4303-Kaiseraugst, Switzerland

T +41 61 815 90 20  
E enquiries@spectro-oil.com



1961



0261

