



**SPECTRO  
JET-CARE**

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# 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

Contact us to find out more about how our Coolant Test Suite can benefit your condition monitoring program.

## 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

## CONTACT US

### Spectro | Jet-Care

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

T +44 (0) 1256 704000  
E [enquiries@spectro-oil.com](mailto: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](mailto:inquiries@jet-care.com)

### Spectro Oil AG

Landstrasse 23,  
CH4303-Kaiseraugst, Switzerland

T +41 61 815 90 20  
E [enquiries@spectro-oil.com](mailto:enquiries@spectro-oil.com)

