

A-GAS[®]

ANALYTICAL SERVICES: INTELLIGENT REFRIGERANT ANALYSIS



REFRIG
HEAL+H
CHECKTM

Intelligent Refrigerant Analysis

ANALYTICAL SERVICES: INTELLIGENT REFRIGERANT ANALYSIS

A-Gas is pleased to release two new analytical products to support the industry in its decision-making on refrigerant re-use and on system preventative maintenance.

Refrigeration systems are high cost and critical application items that need to be protected to ensure they have a long life and are cost-efficient in their day-to-day operation.

The kit includes a refrigerant sample cylinder, an oil sample bottle and all required hoses to take the samples, all packaged in a robust box.

Full Refrigerant Analysis (FRA)

The FRA is designed to analyse refrigerant that customers have taken out of a system and *banked* for re-use. (*Terms and conditions apply*).

Results are expressed in a COA (certificate of analysis) against AHRI 700 standards which shows maximum contaminant levels permissible for re-use without causing system damage.

FRA and RHC Refrigerant Tests carried out:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Purity | <input checked="" type="checkbox"/> Composition |
| <input checked="" type="checkbox"/> Non-volatile residue | <input checked="" type="checkbox"/> Acidity |
| <input checked="" type="checkbox"/> Moisture | <input checked="" type="checkbox"/> Chloride |
| <input checked="" type="checkbox"/> Particulates | |

Benefits:

- Provides all information to make an informed decision on refrigerant re-use or having refrigerant professionally reprocessed
- Remove liability and protect your business, ensure refrigerant quality before re-use
- Simple to use, safe and convenient

Refrig Health Check™ (RHC)

A-Gas Refrig Health Check™ is designed to allow system owners to test the working fluids of a running system to establish whether the fluids are contaminated.

A COA is issued and includes expert advice for remediation and recommendations for improving the health of the

system and extending the operating life. This box product contains all equipment needed to take the samples, including a prepaid waybill to ensure faster analysis turnaround. RHC is perfect for system troubleshooting or as part of an annual preventative maintenance programme.

RHC Oil Tests carried out:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Moisture | <input checked="" type="checkbox"/> Acid number |
| <input checked="" type="checkbox"/> Viscosity | <input checked="" type="checkbox"/> Oxidation index |
| <input checked="" type="checkbox"/> Particulates | <input checked="" type="checkbox"/> Metal ion analysis (wear) |

Benefits:

- Identify contaminated refrigerant or oil as part of your troubleshooting toolkit
- A predictive tool that may indicate deterioration of system components (compressors)
- Extend system working life by proactively resolving contamination issues before breakdown
- Reduce system downtime and emergency call-out costs
- Provides historical benchmarking of system fluid condition
- Improve energy efficiency
- Can form part of your maintenance / leak testing regime to keep systems on existing refrigerant types
- Use as part of your preventative maintenance programme
- Fast, convenient, simple and safe to use

