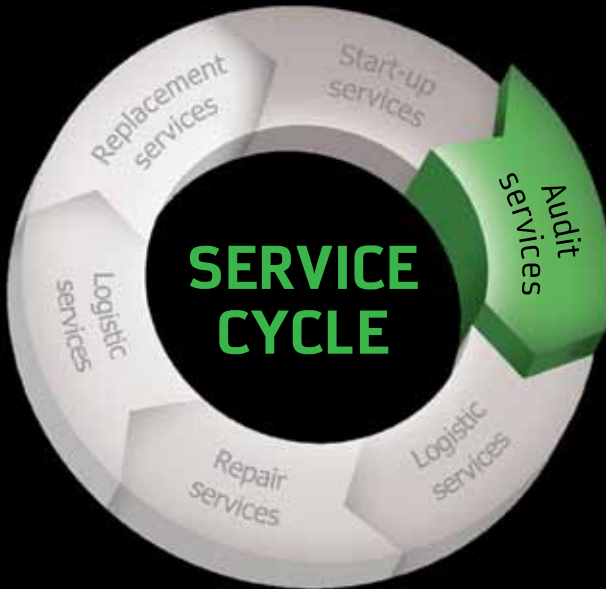




OIL ANALYSIS





AUDIT SERVICES : OIL ANALYSIS

The refrigeration oil quality and conditions are critical factors for the compressor operation.

After the first replacement, at roughly 100 running hours, the subsequent oil changes should be subject to the results of a professional analysis.

A detailed analysis results in:

- Prevention of potentially catastrophic failures that result in unexpected costs and losses
- Definition of suitable replacement schedule in order to avoid unnecessary contaminations

The customer will receive a sampling kit inclusive of: sampling glass bottle, flexible hose and connection, labeling material, sampling instructions and courier details to reach the laboratory.

The laboratory results will be consolidated into a report provided to the client. Recommendations and remarks in the report will be based on comparison between analysis results, nominal data and tolerances, as per DIN 51503-1, and finally warning values applicable at used refrigeration oils, as per DIN 51503-2.

When multiple results of each parameter are available, the trend of each individual data is recorded and visualized in charts, included in the the report to the client, or available on an web based application.

The oil analysis is available in 4 packages, with growing level of complexity and detail. Each individual test is carried out according to specific test method in order to provide consistent results.



Test	ASTM Method	Corresponding DIN Method	Corresponding ISO Method
Appearance - Colour	Visual + D 1500	DIN 51 578	ISO 2049
Viscosity @ 40°C	D 7279	DIN 51 659-3	ISO 2909
Total Acid Number	D 974	DIN 51 558-3	ISO 6618
Water Content	D 6304C	DIN 51 777-1	ISO 6296
Element Analysis	D 5185	DIN 51 399-1	ISO 14596
Particle Count	NAS 1638 (Light Obscuration)		ISO 4406

Package A
Appearance – Colour
Viscosity @ 40°C
Total Acid Number
Water Content

Package B
Appearance – Colour
Viscosity @ 40°C
Total Acid Number
Water Content
Element Analysis

Package C
Appearance – Colour
Viscosity @ 40°C
Total Acid Number
Water Content
Particle count

Package D
Appearance – Colour
Viscosity @ 40°C
Total Acid Number
Water Content
Element Analysis
Particle count



GREEN POINT IS EXPANDING CONTINUOUSLY WORLDWIDE. PLEASE CONTACT YOUR REGIONAL HEAD OFFICE FOR MORE INFORMATION.

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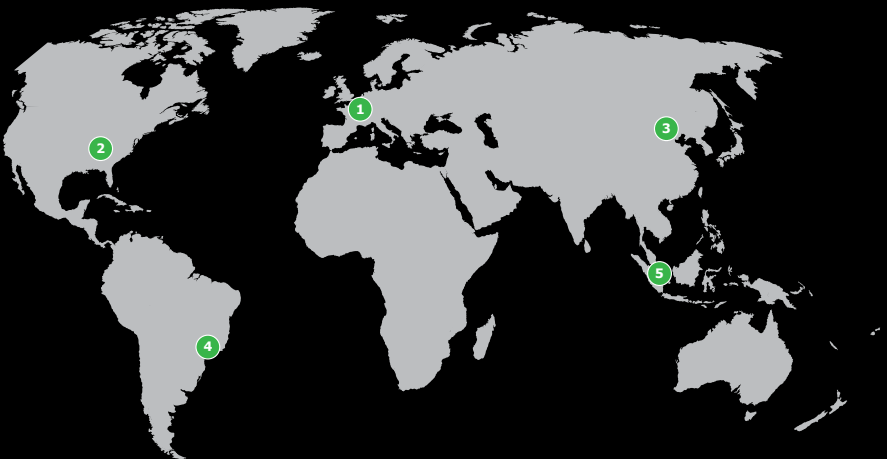
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Subject to change // 19.2017