

Product & Service Data Sheet

Testing Package : TurbineCheck™ 814 and TurbineCheck™ 815

Application :

- Gas & Steam Turbine , Aero-derivative Turbine
- Air / Gas Compressor , centrifugal Type with large oil system
- Turbo Machinery



Testing Details :

TurbineCheck™ 814	TurbineCheck™ 815
All Tests below are for TurbineCheck™ 814	All Tests below are for TurbineCheck™ 815
Wear Metal Elements -Condition <ul style="list-style-type: none"> • RDE -AES - Wear Metal -18 elements , ASTM D6595 or ICP-AES -Wear Metal 18 Elements-ASTM D5185 • RFS Coarse Wear Metal -11 elements ,ASTM D6595 • Particle Quantifier Index (PQ Index) , ASTM D8184 	Wear Metal Elements -Condition <ul style="list-style-type: none"> • RDE -AES - Wear Metal -18 elements , ASTM D6595 or ICP-AES -Wear Metal 18 Elements-ASTM D5185 • RFS Coarse Wear Metal -11 elements ,ASTM D6595 • Particle Quantifier Index (PQ Index) , ASTM D8184 • Ferrographic Analysis ,ASTM D 7690
Oil Condition <ul style="list-style-type: none"> • Oil Condition ; oxidation , nitration , ASTM E2412M • Viscosity @ 40⁰ c or 100⁰ c , ASTM D445 • TAN (Total Acid Number) ,ASTM D974 • RULER™ , ASTM D6971 • FTIR Spectroscopy ,%Phenolic Additive , ASTM D2668 	Oil Condition <ul style="list-style-type: none"> • Oil Condition ; oxidation , nitration , ASTM E2412M • Viscosity @ 40⁰ c or 100⁰ c , ASTM D445 • TAN (Total Acid Number) ,ASTM D974 • RULER™ , ASTM D6971 • FTIR Spectroscopy ,%Phenolic Additive , ASTM D2668
Contamination <ul style="list-style-type: none"> • Oil Contamination ; dirt & dust , ASTM D6595 or ASTM D5185 or ASTM D5185 • %Moisture & Water , ASTM D6304 • Wrong oil contamination • Particle Count (Oil Cleanliness) result in both NAS 1638 and ISO 4406 • SI MPC™ (Varnish Potential Testing) , ASTM D7843 • Report with Interpretation and Recommendation 	Contamination <ul style="list-style-type: none"> • Oil Contamination ; dirt & dust , ASTM D6595 or ASTM D5185 • %Moisture & Water , ASTM D6304 • Wrong oil contamination • Particle Count (Oil Cleanliness) result in both NAS 1638 and ISO 4406 • SI MPC™ (Varnish Potential Testing) , ASTM D7843 • Report with Interpretation and Recommendation

Note and Remark :

- The above recommended testing package will be as guideline , the suitable test package may be vary depend uopn right application, environment , severity,critical factor ,machine age ,so on.
- SI MPC™ , the previuos name is VsPI™
- SI MPC™ is a combination test of S - MPC (Soluble MPC or Soluble Varnish) -test and I -MPC (Insoluble MPC or Insoluble Varnish) or MPC test
- I- MPC , ASTM D7843 and MPC , ASTM D7843 are the same test and the same ASTM , Only different name.
- MPC = Membrane Patch Colorimetry

Sample Quantity Requirement : 200 ml

Oil Analysis Report Feature

- Displayed an easy-to-read and understand Information for wear condition,lubricant condition and contamination
- Provide new oil or reference oil for comparing result and as base line
- Interpretation and recommendation of the result and option for bilingual
- Color coded problem high-light
- Color coded displayed for overall condition for present sample and history condition of previous samples.
- Publish alarm limit range of equipment and oil
- Comprehesive trending graph of most parameters
- TurbineCheck Oil Analysis offers reporting Option via internet , email anf fax

Turnaround Time Service :

The report is typical available within 7 -9working days of sample receript at Focuslab's laboratory.

(For the first time of delivery new unit equipment sample , it may take approx more than 7working days.)

Example of TurbineCheck Report : Please view our example of TurbineCheck Oil Analysis Report at www.focuslab.co.th

Need more product & service information ,please contact Focuslab Ltd