

**Product & Service Data Sheet**

**Testing Package** : **GasEngineCheck™ 804** and **GasEngineCheck™ 894**

**Application** :   
 • Natural Gas Engine /CNG /LPG  
 • Bio Gas Engine



**Testing Details :**

GasEngineCheck™ 804	GasEngineCheck™ 894
All Tests below are for GasEngineCheck™ 804	All Tests below are for GasEngineCheck™ 894
<b>Wear Metal Elements -Condition</b>	<b>Wear Metal Elements -Condition</b>
<ul style="list-style-type: none"> <li>• Fine Wear Metal -18 elements , ASTM D6595 or ASTM D5185</li> <li>• RFS Coarse Wear Metal -11 elements , ASTM D6595</li> <li>• Particle Quantifier Index (PQ Index) , ASTM D8184</li> </ul>	<ul style="list-style-type: none"> <li>• Fine Wear Metal -18 elements , ASTM D6595 or ASTM D5185</li> <li>• RFS Coarse Wear Metal -11 elements , ASTM D6595</li> <li>• Particle Quantifier Index (PQ Index) , ASTM D8184</li> </ul>
<b>Oil Condition</b>	<b>Oil Condition</b>
<ul style="list-style-type: none"> <li>• Oil Condition ; oxidation , nitration , sulfation                             <ul style="list-style-type: none"> <li>- Oxidation , ASTM D7414</li> <li>- Nitration , ASTM D7624</li> <li>- Sulfation , ASTM D7415</li> </ul> </li> <li>• Viscosity @ 100<sup>0</sup> c , ASTM D445</li> <li>• Acid Number , ASTM D974</li> </ul>	<ul style="list-style-type: none"> <li>• Oil Condition ; oxidation , nitration , sulfation                             <ul style="list-style-type: none"> <li>- Oxidation , ASTM D7414</li> <li>- Nitration , ASTM D7624</li> <li>- Sulfation , ASTM D7415</li> </ul> </li> <li>• Viscosity @ 100<sup>0</sup> c , ASTM D445</li> <li>• Acid Number , ASTM D974</li> </ul>
<b>Contamination</b>	<b>Contamination</b>
<ul style="list-style-type: none"> <li>• Oil Contamination ; dirt &amp; dust , soot , fuel , Coolant(glycol)</li> <li>• % Water by FTIR ,ASTM E2412M</li> <li>• Soot by FTIR , ASTM E2412M</li> <li>• Glycol by FTIR , ASTM E2412M</li> <li>• Wrong oil contamination</li> </ul>	<ul style="list-style-type: none"> <li>• Oil Contamination ; dirt &amp; dust , soot , fuel , Coolant(glycol)</li> <li>• % Water by FTIR ,ASTM E2412M</li> <li>• Soot by FTIR , ASTM E2412M</li> <li>• Glycol by FTIR , ASTM E2412M</li> <li>• Wrong oil contamination</li> <li>• Particle Count (Oil Cleanliness ) result in both NAS and ISO 4406</li> </ul>
<b>Report with Interpretation and Recommendation</b>	<b>Report with Interpretation and Recommendation</b>
Highlight Focuslab's unique testing technology in GE804	Highlight Focuslab's unique testing technology in GE894

\* Wrong oil contamination can be detected in case BASELINE data will be available

Note :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.

**Sample Quantity Requirement** : 100 ml

**Oil Analysis Report Feature** :

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| <ul style="list-style-type: none"> <li>• Displayed an easy-to-read and understand Information for wear condition,lubricant condition and contamination</li> <li>• Provide new oil or reference oil for comparing result and as base line</li> <li>• Interpretation and recommendation of the result and option for bilingual</li> </ul> | <ul style="list-style-type: none"> <li>• Color coded problem high-light</li> <li>• Color coded displayed for overall condition for present sample and history condition of previous samples.</li> <li>• Publish alarm limit range of equipment and oil</li> <li>• Comprehensive trending graph of most parameters</li> <li>• GasEngineCheck Oil Analysis offers reporting Option via internet , email anf fax</li> </ul> |
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**Turnaround Time Service** :

The report is typical available within 3 - 4 working days of sample receipt at Focuslab's laboratory.  
 (For the first time of delivery new unit equipment sample , it may take approx 5 working days.)

**Example of EngineCheck Report** : Please view our example of EngineCheck Oil Analysis Report at [www.focuslab.co.th](http://www.focuslab.co.th)

Need more product & service information ,please contact Focuslab Ltd