



**Product & Service Data Sheet**

**Testing Package** : GearCheck™ 824

- Application** :
- High Precision -Gear System
  - High Speed -Gear System
  - High Performance -Gear System
  - Power Turbine System
  - Wind Turbine- Gearbox
  - Gear Oil -lubricating Compartment /System
  - Transmission - lubricating Compartment/System



**Testing Details :**

<p><b>GearCheck™ 824</b></p> <p>All Tests below are for GearCheck™ 824</p> <p><b>Wear Metal Elements -Condition</b></p> <ul style="list-style-type: none"> <li>• RDE -AES - Wear Metal -18 elements , ASTM D6595 or ICP-AES -Wear Metal 18 Elements-ASTM D5185</li> <li>• RFS Coarse Wear Metal -11 elements ,ASTM D6595</li> <li>• Particle Quantifier Index (PQ Index) , ASTM D8184</li> <li>• Ferrographic Analysis ,ASTM D 7690</li> </ul> <p><b>Oil Condition</b></p> <ul style="list-style-type: none"> <li>• Oil Condition ; oxidation , nitration ,ASTM E2412M</li> <li>• Viscosity @ 40<sup>o</sup> c or 100<sup>o</sup> c , ASTM D445</li> <li>• Acid Number , ASTM D974</li> </ul> <p><b>Contamination</b></p> <ul style="list-style-type: none"> <li>• Oil Contamination ; dirt &amp; dust ,etc ,ASTM D6595 or ASTM D5185</li> <li>• %Moisture &amp; Water , ASTM D6304</li> <li>• Wrong oil contamination</li> <li>• Particle Count ( Oil Cleanliness) result in both NAS 1638 and ISO 4406</li> </ul> <p><b>Report with Interpretation and Recommendation</b></p> <p>Highlight Focuslab's unique testing technology in GearCheck 824</p> <div style="display: flex; justify-content: space-around;">   </div>
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\* 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** :

- 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
- Comprehensive trending graph of most parameters
- GearCheck Oil Analysis offers reporting Option via internet , email anf fax

**Turnaround Time Service** :

The report is typical available within 5 -7 working days of sample receipt at Focuslab's laboratory. (For the first time of delivery new unit equipment sample , it may take approx 7 working days.)

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

Need more product & service information ,please contact Focuslab Ltd