



**C&Lube Co., Ltd.** since 1995  
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**Special Lubricants**  
**Custom Made Oils & Greases**

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**Certification Of Analysis**

**Customer**      **CnLube Vietnam Lubricants JSC**      **Date**      **1-Sep-20**  
**Product**      **C&L BLACK EAGLE 20W50 CF-4**      **Lot. No.**      **20083127**

| Test Item                                      |                        | Test Method | Spec.          | Results |
|--|------------------------|-------------|----------------|---------|
| Appearance                                     |                        | Visual      | Clear & Bright | C & B   |
| Density(15°C), kg/m <sup>3</sup>               |                        | ASTM D 287  | Report         | 880.0   |
| Kinematic Viscosity(100°C), mm <sup>2</sup> /s |                        | ASTM D 445  | 16.3 ~ 21.9    | 19.59   |
| Viscosity Index                                |                        | ASTM D 2270 | 85 min.        | 128     |
| Apparent Viscosity (-15°C), Pa · s             |                        | ASTM D 5293 | 9.50 max.      | 6       |
| Flash Point, °C                                |                        | ASTM D 92   | 200 min.       | 256     |
| Pour Point, °C                                 |                        | ASTM D 97   | -24 max.       | -24     |
| Oxidation<br>Stability<br>(165.5°C, 24hr)      | Viscosity Change Ratio | JIS K 2514  | 1.5 max.       | 1.00    |
|  | TAN Change ,mgKOH/g    |             | 1.6 max.       | 0.54    |
|  | Lacquer                |             | Thin           | Nil     |

This data is for your reference and it can't be used for any legal purpose.

**Research & Development Center**  
**Manager J. H. Lee**

