



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

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**Certification of Analysis**

**Customer** INDIVIDUAL ENTREPRENUER **Date** 27-Aug-22  
**Product** Black Eagle Semi-Synthetic 10W30 API CG-4 **Lot. No.** 22082525

Test Item		Test Method	Spec.	Results
Appearance		Visual	Clear & Bright	C & B
Density((15°C), kg/m³)		ASTM D 287	Report	864.0
Kinematic Viscosity(100°C), mm²/s		ASTM D 445	9.3 ~ 12.5	10.99
Viscosity Index		ASTM D 2270	85 min.	149
Low Temperature Cranking Viscosity(-25 °C), Pa·s		ASTM D 5293	7.0 max.	3.55
Flash Point, °C		ASTM D 92	190 min.	234
Pour Point, °C		ASTM D 97	-24 max.	-39
Total Base Number, mgKOH/g		ASTM D 2856	-	12.3
Oxidation Stability (165.5°C, 24hr)	Viscosity Change Ratio	JIS K 2514	1.5 max.	0.98
	TAN Change ,mgKOH/g		1.6 max.	0.47
	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**

