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**New Technology Resources  
Special Lubricants Oil & Grease**

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**Certification Of Analysis**

**Customer** INDIVIDUAL ENTREPRENUER **Date** 4-Feb-22  
**Product** Black Eagle Diesel 100% SEMI-SYNTHETIC 5W40 API CI-4 **Lot. No.** 22071424

Test Item	Test Method	Spec.	Results
Appearance	Visual	Clear & Bright	C & B
Density (15°C), kg/m <sup>3</sup>	ASTM D 287	Report	856.7
Kinematic Viscosity(100°C), mm <sup>2</sup> /s	ASTM D 445	12.5 ~ 16.3	14.74
Viscosity Index	ASTM D 2270	85 min.	170
Apparent Viscosity (-30°C), Pa · S	ASTM D 5293	6.6 max.	4.90
Flash Point, °C	ASTM D 92	195 min.	228
Pour Point, °C	ASTM D 97	-30 max.	-42
Total Base Number, mgKOH/g	ASTM D 2896	-	12.5
Oxidation Stability (165.5°C, 24hr)	Viscosity Change Ratio	JIS K 2514	1.5 max.
	TAN Change ,mgKOH/g		1.6 max.
	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**

