



**C&Lube Co., Ltd.** since 1995  
tel.82-52-239-5189 fax.82-52-239-5105

**Special Lubricants**  
**Custom Made Oils & Greases**

182, Hwasan-ro, Onsan-eup, UIJu-gun, Ulsan, KOREA 45009  
www.cnlube.co.kr, e-mail : adm@cnlube.co.kr

## Certification Of Analysis

**Customer**    **INDIVIDUAL ENTREPRENUER**  
**Product**    **EAGLE ROYAL AW 22**

**Date**        **11-Aug-22**  
**Lot. No.**    **22080822**

Test Item	Test Method	Spec.	Results
Appearance	Visual	Clear & Bright	C & B
Density kg/m <sup>3</sup> (15°C)	ASTM D 287	Report	847.1
Kinematic Viscosity(40°C), mm <sup>2</sup> /s	ASTM D 445	19.8 ~ 24.2	21.15
Viscosity Index	ASTM D 2270	80 min.	112
Flash Point, °C	ASTM D 92	160 min.	214
Pour Point, °C	ASTM D 97	-30 max.	- 48
Water Content, mg/kg	ASTM D 1744	500 min	50
Copper Corrosion (100 °C, 3h)	ASTM D 130	1 max	1a
Rust Preventive Charcdteristies (DW, 24H)	ASTM D 3427	No Rust	No Rust
Water Separation (min)	ASTM D 1401	30 min	15
Foaming Charcdteristies, ml	Sequence I	ASTM D 892	60 / 0
	Sequence II	ASTM D 892	60 / 0
	Sequence III	ASTM D 892	60 / 0

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

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





[www.cnlube.co.kr](http://www.cnlube.co.kr)

TEL 82-52-239-5189 FAX 82-52-239-5105

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

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## Certification Of Analysis

<b>Customer</b>	<b>INDIVIDUAL ENTREPRENUER</b>	<b>Date</b>	<b>10-Mar-21</b>
<b>Product</b>	<b>EAGLE ROYAL Hydraulic Oil AW 46</b>	<b>Lot. No.</b>	<b>21030929</b>

Test Item	Test Method	Spec.	Results
Appearance	Visual	Clear & Bright	C & B
Density (15 °C), kg/m <sup>3</sup>	ASTM D 287	Report	864.0
Kinematic Viscosity, mm <sup>2</sup> /s, (40 °C)	ASTM D 445	41.4-50.6	45.39
Viscosity Index	ASTM D 2270	Min. 90	108
Flash Point, °C	ASTM D 92	Min. 170	246
Pour Point, °C	ASTM D 97	Max. -24	-33
Copper corrosion (100 °C, 3h)	ASTM D 130	Max. 1	1a
Water Content (mg/kg)	ASTM D 1744	Min. 500	50
Rust Preventive Characteristics (DW, 24h)	ASTM D 3427	No Rust	None
Water Separation (min)	ASTM D 1401	Max. 30	14
Foaming Characteristics, ml	Sequence I	ASTM D 892	60/0
	Sequence II		60/0
	Sequence III		60/0

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## Certification Of Analysis

**Customer**    **INDIVIDUAL ENTREPRENUER**  
**Product**    **EAGLE ROYAL AW68**

**Date**        **11-Mar-21**  
**Lot. No.**    **21031023**

Test Item	Test Method	Spec.	Results
Appearance	Visual	Clear & Bright	C & B
Density kg/m <sup>3</sup> (15°C)	D 287	Report	872.4
Kinematic Viscosity(40°C), mm <sup>2</sup> /s	ASTM D 445	61.2 ~ 74.8	70.07
Viscosity Index	ASTM D 2270	90 min.	104
Flash Point (Open cup method, °C)	ASTM D 92	200 min.	242
Pour Point, °C	ASTM D 97	-21 max.	-39
Water Content (mg/kg)	ASTM D 1744	500 min	50
Copper Corrosion (100 °C, 3h)	ASTM D 130	1 max	1a
Rust Preventive Charcdteristies (DW, 24H)	ASTM D 3427	No Rust	Pass
Water Separation (min)	ASTM D 1401	30 min	14.0
Foaming Charcdteristies, ml	Sequence I	ASTM D 892	65 / 0
	Sequence II	ASTM D 892	65 / 0
	Sequence III	ASTM D 892	65 / 0

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## Certification Of Analysis

**Customer** INDIVIDUAL ENTREPRENUER

**Date** 15-Jul-22

**Product** EAGLE ROYAL AW 32

**Lot. No.** 22071422

Test Item		Test Method	Spec.	Results
Appearance		Visual	Clear & Bright	C & B
Density kg/m <sup>3</sup> (15°C)		ASTM D 287	Report	854.1
Kinematic Viscosity(40°C), mm <sup>2</sup> /s		ASTM D 445	28.8 ~ 35.2	31.60
Viscosity Index		ASTM D 2270	90 min.	116
Flash Point (Open cup method, °C)		ASTM D 92	170 min.	226
Pour Point, °C		ASTM D 97	-24 max.	- 39
Water Content (mg/kg)		ASTM D 1744	500 min	60
Copper Corrosion (100 °C, 3h)		ASTM D 130	1 max	1a
Rust Preventive Charcdteristies (DW, 24H)		ASTM D 3427	No Rust	No Rust
Water Separation (min)		ASTM D 1401	30 min	15
Foaming Charcdteristies, ml	Sequence I	ASTM D 892	65 / 0	10 / 0
	Sequence II	ASTM D 892	65 / 0	20 / 0
	Sequence III	ASTM D 892	65 / 0	10 / 0

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