

## AVISTA pure EVO CK-4 SAE 5W-30

High-quality engine oil for commercial vehicles (diesel Euro I-VI) of the AVISTA pure EVO line for meeting of all requirements of the API specification CK-4 as well as of many OEM approvals/specifications.

### APPLICATION

- Commercial vehicles, diesel (Euro I-VI), with modern after-treatment of exhaust gas
- substitute for CH-4, CI-4, CJ-4

### CHARACTERISTICS

- Excellent piston cleanliness
- prevention of bore-polishing
- low wear and formation of soot
- stability of lubricant
- aging resistance
- stability of viscosity
- fuel-saving
- low exhaust gas emissions
- engine cleanliness
- longer maintenance interval

### APPROVALS

<b>Deutz</b>	DQC IV-18 LA
<b>Mack</b>	EOS-4.5
<b>MAN</b>	M3677
<b>DTFR</b>	15C120 (MB 228.52) 15C110 (MB 228.51)
<b>MTU</b>	TYPE 3.1
<b>Renault</b>	RLD-3
<b>Scania</b>	LDF-4
<b>Volvo</b>	VDS-4.5

### SPECIFICATIONS

<b>ACEA</b>	E7 E8 E11
<b>API</b>	CK-4
<b>API</b>	SN
<b>JASO</b>	DH-2
<b>Caterpillar</b>	ECF-3
<b>Cummins</b>	CES 20086
<b>Detroit Diesel</b>	DDC 93K222
<b>MAN</b>	M3775 M3271-1 M3477
<b>DTFR</b>	15C100 (MB 228.31)

### RECOMMENDATIONS

<b>ACEA</b>	E6 E9
<b>DAF</b>	Extended Drain
<b>Ford</b>	WSS-M2C213-A1
<b>Iveco</b>	18-1804 TLS E9

### TYPICAL CHARACTERISTICS

(The given data are typical data.)

Parameter	Method	Unit	
SAE Class	SAE J 300		5W-30
Density 15 °C	DIN EN ISO 12185	g/cm <sup>3</sup>	0.845 – 0.885
Kin. Viscosity @ 100 °C	ASTM D7279	mm <sup>2</sup> /s	11.0 – 12.4
Viscosity Index	ASTM D2270		min. 155
Total Base Number	ASTM D2896	mg KOH/g	9.3 – 11.7
Dyn. Viscosity @ -30 °C	ASTM D5293	mPa*s	max. 6,600
Flash Point COC	DIN ISO 2592	°C	min. 200
Pour Point	ASTM D7346	°C	max. -39

We reserve the right to change the general characteristics of our product so that our customers can benefit from the latest technological advances. (VS-Number 11)