

Laboratory Report

QS-1810129
 Labor-ID: QS-1810129



Item

Eneos Premium Ultra 0W-20
179220 08/11/17

Recipient: ATO24 AutoTeileOnline GmbH
 Ziegelstr. 3

33824 Werther

ATO24

Im Auftrag der [ATO24 AutoTeileOnline GmbH](https://www.ato24.de)

Your Reference:

AUF Number:

Lot Number:

Test Date: 08.10.2018

Delivery Date:

Origin sample

Description	Dimension	Determined Value	Upper Limit	Lower Limit	Method
*Infrared Spectrum		ok			DIN 51451
*Kinematic Viscosity at 40°C	mm²/s	43,68			DIN 51562-1
*Kinematic Viscosity at 100°C	mm²/s	8,665			DIN 51562-1
*Viscosity Index		182			DIN ISO 2909
*Viscosity CCS at -35°C	mPa*s	4600			ASTM D 5293
*Viscosity HTHS at 150°C	mPa*s	2,70			ASTM D 5481
*Evaporation Loss (NOACK)	%	14,0			ASTM D 5800
*Flash Point (COC)	°C	224			DIN EN ISO 2592
*Pour Point	°C	-39			ASTM D 7346
*Total Base Number (TBN)	mgKOH/g	8,9			ASTM D 2896
*Total Acid Number (TAN)	mgKOH/g	2,12			ASTM D 664
Sulfat Ash	%	1,04			DIN 51575
*RFA Phosphorus	mg/kg	766			ASTM D 4927
*RFA Sulfur	%	0,27			ASTM D 4927
*RFA Calcium	mg/kg	2310			ASTM D 4927
*RFA Zinc	mg/kg	869			ASTM D 4927
RFA Molybden	mg/kg	775			a. ASTM D 4927

*Laboratory accredited to DIN EN ISO/IEC 17025:2005.

This laboratory report can be used as overview only and the values presented in it might variate in the final product delivery.

The value that are presented in laboratory report can be used for analyzed product sample only.



Date: 11.10.2018

Paul Runge

QM-Labor/Quality Manager

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