

Information about the introduction of ACEA C5

Dear Sirs,

We would like to inform you about the introduction of the ACEA specification ACEA C5. In addition, since ACEA 2016 the specification A1/B1 is no longer listed. The ACEA A1/B1 can still be advertised for oil products until December 2018.

Henceforth the ACEA C5 specification features oils that offer low viscosity for Fuel Economy applications and are also compatible with advanced exhaust gas aftertreatment systems. Also, in this specification, the SAE classes of the low-viscosity oils are not limited to xW-20 oils, as it was the case with the ACEA A1/B1. As a consequence, the specification A1/B1 is obsolete.

The table below illustrates the innovation. Compared to the ACEA C1-C4, the lower HTHS viscosity of the ACEA C5 oils is outstanding, so that these oils are extremely low-viscosity oils. With low-viscosity oil, a higher fuel economy results from a higher efficiency. Due to the low HTHS values, the ACEA C5 cannot be combined with the approval of another ACEA standard.

	ACEA C1	ACEA C2	ACEA C3	ACEA C4	ACEA C5	ACEA A1/B1
HTHS Viscosity [mPas]	≥ 2,9	≥ 2,9	≥ 3,5	≥ 3,5	2,6 – 2,9	2,9 – 3,5 ≥ 2,6 (für xW-20)
Evaporative Loss [%]	≤ 13	≤ 13	≤ 13	≤ 11	≤ 13	≤ 13
TBN [mgKOH/g]	-	-	≥ 6	≥ 6	≥ 6	≥ 8
Sulphur [%m/m]	≤ 0,2	≤ 0,3	≤ 0,3	≤ 0,2	≤ 0,3	-
Phosphorus [%m/m]	≤ 0,05	0,07 – 0,09	0,07 – 0,09	≤ 0,09	0,07 – 0,09	-
Sulfated Ash [%m/m]	≤ 0,5	≤ 0,8	≤ 0,8	≤ 0,5	≤ 0,8	≤ 1,3
Fuel Economy(M111) [%]	≥ 3,0	≥ 2,5	≥ 1,0 (für xW-30)	≥ 1,0 (für xW-30)	≥ 3,0	≥ 2,5

TITAN



The Ultra High performance **TITAN Supersyn F Eco-B SAE 5W-20** oil fulfils the ACEA C5 and has convinced with the European consumption test M111 FE with 3.6% fuel saving. In addition to the high fuel economy, the oil is characterized by good cold-start characteristics and low oil consumption.

The following table illustrates the new profile of **TITAN Supersyn F Eco-B SAE 5W-20**.

Specifications	Approvals	FUCHS Recommendations
ACEA A1/B1 ACEA C5 API SN FORD WSS-M2C948-B	JAGUAR LAND ROVER STJLR.03.5004	CHRYSLER MS 6395 FORD WSS-M2C925-A FORD WSS-M2C925-B

Please do not hesitate to contact us for further information.

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