

Rev. Date: December 03, 2014

DATA SHEET

**UNIVERSAL ALL SEASON MOTOR OIL
LUKOIL GENESIS PREMIUM SAE 5W-30, API SN/CF**

– SYNTHETIC –

- LUKOIL GENESIS PREMIUM SAE 5W-30 is a high performance multigrade synthetic oil, with a low content of sulphated ash, phosphorus and sulphur ("Low SAPS" class), which allows energy saving and is obtained from synthetic base oils and specific additives providing the API SN/CF performance level; it complies with the 5W-30 viscosity class (according to SAE J 300).
- It is mainly used in high power, supercharged, very efficient, modern Diesel and gasoline engines, which meet the Euro 3, 4, 5 and requirements and have exhaust gas post-treatment equipment (Diesel particulate filter DPF, three way catalyst TWC). It facilitates engine start-up at low temperatures. It is recommended to be used in new cars, both during and after the warranty period.
- Approvals: MB-Approval 229.51; VW 502.00 / 505.00; BMW LL-04
- Licences: API SN; GM dexos2
- Performance level / Meets the following requirements: ACEA C3; API CF; Renault RN 0700 / 0710
- Quality conditions:

Item No.	CHARACTERISTICS	ADMISSIBILITY CONDITIONS	TEST METHOD
1	Kinematic viscosity at 100°C, mm ² s ⁻¹ (cSt)	9,3...12,5	SR EN ISO 3104/AC ASTM D 445 ASTM D 7042
2	Viscosity index, min.	150	SR ISO 2909 ASTM D 2270 ASTM D 7042
3	Base number, mg KOH/g, min.	7	SR ISO 3771 ASTM D 2896
4	Flash point, open cup, °C, min.	220	SR EN ISO 2592 ASTM D 92
5	* Apparent (dynamic) viscosity determined using the Cold Cranking Simulator (CCS) at -30°C, cP, max.	6600	ASTM D 5293
6	* Apparent (dynamic) viscosity determined using a mini rotary viscometer (MRV) at -35°C, cP, max.	60000	ASTM D 4684
7	*Sulphated ash, %, max.	0,8	ASTM D 874
8	Water content, %	absent	SR 13484 ASTM D 95
9	* Substances insoluble in organic solvents, %, max.	0,015	STAS 33
10	Pour point, °C, max.	-36	SR 13552 ASTM D 97
11	*Noack volatility, %, max.	13	STAS 8465 ASTM D 5800
12	*Active element content:	to be reported	STAS 8428 STAS 7717
13	Calcium, % Zinc, %		
14	Density at 20°C, Kg/m ³	to be reported	SR EN ISO 3675/C91 ASTM D 1298 ASTM D 7042
15	*Phosphorus content, %, max.	0,09	STAS 7330
16	*Sulphur content, %, max.	0,3	SR EN ISO 8754 ASTM D 4294
17	Foaming properties, ml (tendency – stability), max. - at 24 °C - at 93.5 °C - at 24°C, after determination at 93.5°C	10 – 0 50 – 0 10 – 0	SR ISO 6247+C1 ASTM D 892

* warranted by means of the manufacturing technology/ determined in accordance with current technical specifications

- The evaluation of the accuracy of the test methods from this technical sheet should meet the requirements of the SR EN ISO 4259:2007 "Petroleum products – determining and applying the accuracy values regarding the test methods" Standard.
- Samples will be taken in accordance with the SR EN ISO 3170:2004/C91:2005 "Liquid petroleum products. Manual sampling" Standard.
- Packaging, marking, storage, transport and handling are performed under current regulations (decisions, statutes, etc. specified in the SDS) and LUKOIL LUBRICANTS EAST EUROPE's internal instructions / procedures.
- For details, see the Safety Data Sheet (SDS).
- Warranty term, for storage, is of 5 years from the manufacturing date.