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**TECHNICAL SHEET
ENGINE OILS**
**LUKOIL LUXE LPG SAE 10W-40, API SL;
LUKOIL LUXE LPG SAE 15W-40, API SL**

- LUKOIL LUXE LPG oils are products specially designed to be used in the engines of passenger cars and light commercial vehicles which use liquefied petroleum gas (LPG) or gasoline as fuel and for which it is recommended to use a lubricating oil meeting the requirements of the API SL specification or a lower one.
- LUKOIL LUXE LPG are mixtures of hydrofined high quality oils, with a high viscosity index and high performance additives which contribute to a significant reduction of friction, and provide a perfect protection of the engine against corrosion and wear. The product provides high thermal stability, optimum base number level and a lower content of ash.
- They can be used during all the seasons of the year.
- Performance level / Meet the following requirements: API SL
- Quality conditions:

Item No.	CHARACTERISTICS	ADMISSIBILITY CONDITIONS		TEST METHOD
		LUKOIL LUXE LPG SAE 10W-40, API SL	LUKOIL LUXE LPG SAE 15W-40, API SL	
1	Kinematic viscosity at 100°C, mm ² s ⁻¹ (cSt)	12.5...<16.3	12.5...<16.3	SR EN ISO 3104/AC ASTM D 445 ASTM D 7042
2	Viscosity index, min.	145	130	SR ISO 2909 ASTM D 2270 ASTM D 7042
3	Base number, mg KOH/g, min.	6	6	SR ISO 3771 ASTM D 2896
4	Flash point, open cup °C, min.	220	225	SR EN ISO 2592 ASTM D 92
5	* Apparent (dynamic) viscosity, determined using the Cold Cranking Simulator (CCS), cP, max. at -25°C, cP, max. at -20°C, cP, max.	7000 -	- 7000	ASTM D 5293
6	* Apparent (dynamic) viscosity, determined using a Mini-Rotary Viscometer (MRV), cP, max. at -30°C, cP, max. at -25°C, cP, max.	60000 -	- 60000	ASTM D 4684
7	*Sulphated ash, %	max. 0.8	max. 0.8	ASTM D 874
8	Water content, %	nil	nil	SR 13484 ASTM D 95
9	*Substances insoluble in organic solvents, %, max.	0.015	0.015	STAS 33
10	Pour point, °C, max.	-33	-27	SR 13552 ASTM D 97
11	*Noack volatility, %, max.	15	13	STAS 8465 ASTM D 5800
12	*Active element content:			
	Calcium, %	To be reported	To be reported	STAS 8428
13	Zinc, %	To be reported	To be reported	STAS 7717
14	Density at 20°C, Kg/m ³	To be reported	To be reported	SR EN ISO 3675/C91 ASTM D 1298 ASTM D 7042
15	*Phosphorus content, %	0.10	0.10	STAS 7330
16	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	10 – 0 50 – 0 10 – 0	SR ISO 6247+C1 ASTM D 892

* This characteristic is warranted by means of the manufacturing technology / is determined according to the normative document in force.

- Accuracy evaluation of the test methods from this technical sheet should meet the requirements of Standard SR EN ISO 4259:2007 "Petroleum products – determining and applying the accuracy values regarding the test methods".
- Samples shall be taken in accordance with SR EN ISO 3170:2004/C91:2005 "Liquid petroleum products. Manual sampling".
- Packaging, marking, storage, transport and handling are performed according to the regulations in force (decisions, regulations, etc. specified in the product safety data sheet) and to LUKOIL LUBRICANTS EAST EUROPE S.R.L.'s instructions/internal procedures.
- For details, see the Safety Data Sheet (SDS).
- Storage life is of 5 years from the manufacture date.