

# **Technical Data Sheet**

# **Lubrico DOT 5 FULLY SYNTHETIC**

#### PRODUCT DESCRIPTION:

Lubrico DOT 5 is high quality synthetic brake and clutch fluid conforming to the DOT4 specifications and is based on polyglycol type fluids that is a general standard used in worldwide automotive brake equipment. The product is blended with special additives that prevent fluid oxidation, rust and the swelling of the piston seals used in conventional brake systems.

For use in applications requiring disc, drum and anti-skid braking systems used in vehicles requiring DOT 3.

### **FEATURES & BENEFITS:**

- · High wet boiling point
- · Excellent low temperature stability
- Good temperature viscosity performance Excellent corrosion protection Compatibility with different rubber seals.
- · Excellent thermal stability

### PERFORMANCE LEVELS: Meets or Exceeds:

- FMVSS 116 DOT 4
- · ISO 4925 (CLASSES 4)
- SAE J 1704
- JIS K 2233

#### TYPICAL PROPERTIES:

		LUBREX 4 BRAKE FLUID DOT 5		
	CHARACTERISTICS	TYPICAL	ACTUAL	METHOD
1	Appearance and Odor	Homogeneous transparent liquid from colorless to light brown without sediment, a slight opalescence is permissible	Corresponds	ТУ 24.6-14215951.002-2002, П. 6, 2
2	Kinematic Viscosity, mm <sup>2</sup> /s - at - 20±1 °C, max - at +100±5°C, min	1800 1.5	1800 2,2	ТУ 24.6-14215951.002-2002, П. 6, 3
3	Low Temperature Properties: (a) Condition after Exposure Time at -(50-2) TC within (6.0±0.5) hrs - Appearance - Bubble flow time, s, max	Transparent liquid from colorless to light-brown without sediment, a slight opalescence is permissible 35	Corresponds 27	ТУ 24.6-14215951.002-2002, П. 6, 4
4	Boiling Point at 101.3 kPa, °C, min	230	237	ТУ 24.6-14215951.002-2002, П. 6, 5
5	Stability at High Temperatures, °C, max	3	2	ТУ 24.6-14215951.002-2002, П. 6, 7
6	Effect on Rubber:  (a) Rubber Volume Change: type 7-2464 at (70±2), "C, %, max (b) Rubber Appearance Change pH Index	10 No tackiness and flaking 7.0-11.5	7 Guaranteed 10.0	ТУ 24.6-14215951.002-2002, П. 6, 8
	Interaction with Metals at (100±2) °C within (120±2) hrs (a) Metal Strip Weight Change, mg/sm2, max: -Tinned from - Steel - Aluminium Alloy - Cast Iron - Brass - Copper (b) Appearance of Metal Strips	0.2 0.2 0.1 0.2 0.4 0.4 Absence of any macroscopic pitted or roughened signs of corrosion, absence of crystal dropouts. Easily removed by a cloth patina and color change of brass and copper strips are permissible.	0, 02 0, 01 0, 02 0, 06 0, 06 0, 03 Guaranteed	
	(c) Brake Fluid States (d) pH Index after test	Absence of any blobs or crystals on the strips and vessel walls.  Darkening is permissible.  7.0-11.5	Guaranteed 10,8	ТУ 24.6-14215951.002-2002, П. 6, 10
	Compatibility with Water: (a) at (40±1) °C within (24±2) hrs - Appearance - Bubble Flow Time. s. max	Transparent liquid from colorless to light-brown with out sediment, a slight opalescence is permissible.  10	Guaranteed 8	
	- BUDDIE Flow Time, s, max (b) at (60±2) °C within (24±2) hrs - - Appearance	Transparent liquid from colorless to light-brown with out sediment, a slight opalescence is permissible.	8 Guarantee	
7	Evaporation *: (a) Volatiles, %, max (b) Residue on Evaporation - at (23+-5) *C	80 No Solid Particles	59 Guaranteed	ТУ 24.6-14215951.002-2002, П. 6, 12 ТУ 24.6-14215951.002-2002, П. 6, 13
	- at (5+−1) °C	Mobile	Guaranteed	ТУ 24.6-14215951.002-2002, П. 6, 14
8	Mechanical Impurities *:	None	Guaranteed	ТУ 24.6-14215951.002-2002, П. 6, 15

## **HEALTH & SAFETY, ENVIRONMENT:**

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website lubrico.ae