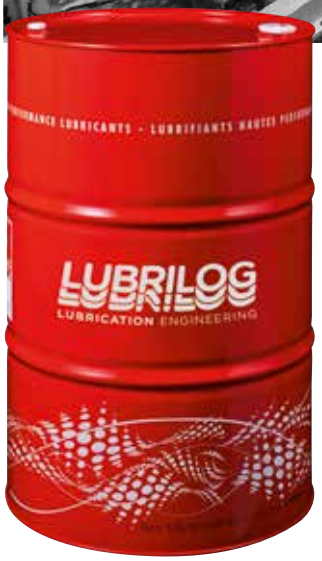
LUBRILOG

LUBRICATION ENGINEERING

Robotic Industry

TotalEnergies



Industrial robot lubricants

Synthetic gear oils developed by Lubrilog for demanding enclosed gear systems and bearings, providing resistance to severe conditions. Specific wear and extreme pressure additives have been developed by our R&D to efficiently protect any kind of reducers, gears and bearings used in the robotic industry.

- **Lubrilog LY PAO 150 RB** high performance industrial fully synthetic gear oil for KUKA robots
- **Lubrilog PG OIL 150 RB** high performance industrial fully synthetic gear oil for ABB robots

CHARACTERISTICS

Products	Density	Viscosity at 40°C	Viscosity at 100°C	Viscosity Index	Flash Point °C	Pour Point °C	4 Ball Wear Test (mm)	Temperature Range (°C)	
								Min	Max
Method	ISO 12185	ISO 3104	ISO 3104	ISO 2909	ISO 2592	ISO 3016	ASTM D 4172		
Lubrilog LY PAO 150 RB	0,875	150	20	137	>260	< -30	0,5	-30	150
Lubrilog PG OIL 150 RB	1,04	150	28	226	> 230	- 30	0,3	-30	180

Since the company was founded in 1987, Lubrilog has successfully developed a series of **high performance lubricants** and **greases for specific industries**, such as **automotive**, **nuclear energy**, **aerospace** or **pharmaceuticals**.

Our strong organizational values along with state-of-the-art production equipment enable us to provide our customers with **premium specialty lubricant products.**

Lubrilog is committed to becoming an **expert in the field of tribology for a better tomorrow!**

Industrial robot greases

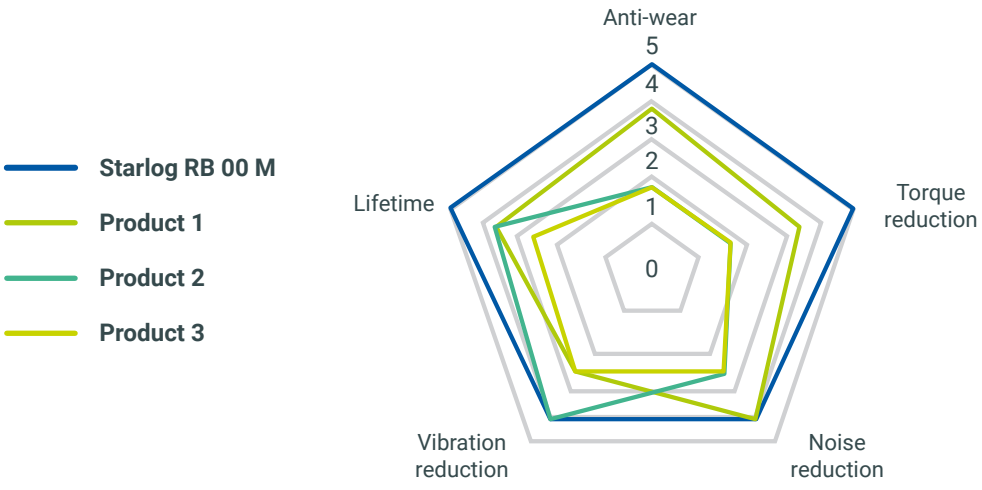
The special greases developed by Lubrilog for industrial robots have been specifically designed to reduce the wear and increase the efficiency of harmonic or rotate vector or planetary reducers. Specific synthetic base oils, coupled with advanced additive selection, allow us to guarantee the best efficiency and performance even on severe working conditions.

- **Starlog RB 00 M** Special grease for RV precision reduction gears
- **Starlog RB 2 S** Special grease for harmonic precision reduction gear

CHARACTERISTICS

Products	Thickener	Base Oil	Viscosity at 40°C	Consistency	Worked Penetration	4 Ball Wear Test (mm)	4 Ball Weld Test (daN)	Temperature Range (°C)	
								Min	Max 150
Method			ISO 3104	NLGI	ISO 2137	ISO 2266	ISO 2596		
Starlog RB 00 M	Li	Semi-Synthetic	100	00	400/430	0,5	315	-30	140
Starlog RB 2 S	Li	PAO	18	2	265/295	0,4	> 315	-40	150

PERFORMANCE COMPARISON



The excellent low torque performance of our robot greases **helps to reduce the energy consumption and the torque on loaded mechanical parts.**

The excellent lubrication performance efficiently **reduces the wear and increase the service life of the reducer.**

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