

# LUBRAX GEAR

Lubricating oil for closed gears and industrial gear boxes under severe duties and high loads. Available in ISO grades 32, 46, 68, 100, 150, 220, 320, 460, 680, 1000 and 1500.

**LUBRAX GEAR** controls wear and corrosion of the lubricated parts and its additives provide extreme pressure characteristics and resistance against oxidation and foaming.

**LUBRAX GEAR** is not corrosive to copper and its alloys, being free of lead and other toxic agents.

**LUBRAX GEAR** is recommended for the lubrication of closed industrial gears, like spur, helical, bevel, spiral bevel, herringbone, rack and pinion and worm, under severe duties and heavy loads.

**LUBRAX GEAR** meets the specifications of US Steel 224, AGMA 9005-D94 and DIN 51517 Part 3.

**LUBRAX GEAR 32** (former BR-332-EX) has a differentiated formula with the approval of Petrobras for use in its subsea multiphase pumping systems (SBMS-500).

The name **LUBRAX GEAR** is the new designation of the former **LUBRAX INDUSTRIAL EGF-...- PS**.

Additives - Anti-corrosion, anti-foaming, antioxidant, pour point depressor and extreme pressure agent.

## TYPICAL ANALYSIS \*

ISO Grade	32	46	68	100	150	220	320	460	680	1000	1500
GRAU AGMA	0	1	2(EP)	3(EP)	4(EP)	5(EP)	6(EP)	7(EP)	8(EP)	8A(EP)	9(EP)
Specific gravity at 20/4°C	0,870	0,880	0,883	0,887	0,892	0,896	0,900	0,903	0,917	0,930	0,940
Flash point Fulgor (°C) (COC)	200	232	236	242	258	270	282	290	300	324	330
Pour point (°C)	-12	-9	-9	-9	-9	-9	-9	-6	-6	-3	-3
Viscosity at 40°C (cSt)	32,0	48,6	70,3	103,9	156,0	233	327	472	673	1051	1545
Viscosity at 100°C (cSt)	5,50	7,17	9,00	11,85	15,4	19,90	24,9	31,8	37,6	46,7	57,1
Viscosity index	110	106	102	103	100	98	99	98	92	85	81
Copper corrosion 3h, 100°C	1b	1b	1b	1b	1b	1b	1b	1b	1b	1b	1b

\* These values represent average results obtained during production and do not constitute a specification. Minor variations which do not affect product performance are expected to occur. Please consult our technical assistance for more detailed information.

## CARACTERÍSTICAS COMPLEMENTARES \*\*

FZG (failure stage)	12
Timken load (lb)	60
4 ball (welding load) (kg)	250

\*\* Obtained for the ISO VG 220.

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