

# LUBRAX TURBINA PLUS

Lubricating oil for use in turbines, gearboxes, circulatory systems, and hydraulic systems on light service. Available in ISO grades 32, 46, 50<sup>(1)</sup>, 68, 77<sup>(1)</sup>, 86<sup>(1)</sup>, 100, 150 and 220.

**LUBRAX TURBINA PLUS** is formulated with special paraffinic base oils with higher oxidation resistance and better water separation properties.

**LUBRAX TURBINA PLUS** prevents corrosion of lubricated parts and their additives guarantee a high resistance to oxidation, good deaeration and low foaming.

**LUBRAX TURBINA PLUS** is recommended for the lubrication of hydraulic, steam and gas turbines. It is also recommended for use in marine and industrial gearboxes (without extreme pressure conditions), circulatory systems, compressors, pumps, vacuum pumps, hydraulic machines (presses and lifts on light service), oil lubricated electric motors and bearings (simple or antifricition).

**LUBRAX TURBINA PLUS** can be used whenever indicated an oil with high oxidation resistance, corrosion protection and excellent water separation.

**LUBRAX TURBINA PLUS** meets the DIN51515 (TD-L)<sup>(2)</sup> and DIN51524 Part 1 (HL)<sup>(2)</sup> specifications.

**LUBRAX TURBINA PLUS 32** and **LUBRAX TURBINA PLUS 46** have approved formulas by Siemens for use in its gas or steam turbines without coupled gearbox, according to the specification TLV-901304 (under its former names: **MARBRAX TR-32** and **MARBRAX TR-46**).

The name **LUBRAX TURBINA PLUS** is the new designation of former **MARBRAX TR**.

Additives - Antirust, antifoaming, antioxidant and pour point depressor.

## TYPICAL ANALYSIS<sup>(3)</sup>

ISO GRADE		32	46	50 <sup>(1)</sup>	68	77 <sup>(1)</sup>	86 <sup>(1)</sup>	100	150	220
Density at 20/4°C		0,864	0,870	0,872	0,874	0,877	0,878	0,882	0,886	0,891
Flash point (COC)	°C	234	240	246	254	268	270	272	276	278
Pour point	°C	-21	-18	-18	-15	-15	-15	-15	-15	-12
Viscosity at 40°C	cSt	32,3	46,3	54,8	63,5	76,3	83,0	105,6	142,7	208,2
Viscosity at 100°C	cSt	5,6	7,0	7,8	8,5	9,6	9,9	11,6	14,4	18,5
Viscosity index		110	108	105	104	104	101	101	98	97
Antirust protection (with salt water)		pass	pass	pass	pass	pass	pass	pass	pass	pass
Demulsibility (separation time) at 54°C	minutes	11	15	20	17	20	-	-	-	-
at 82°C		-	-	-	-	-	11	18	19	22
Total Acid Number	mgKOH/g	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10
Copper corrosion		1b	1b	1b	1b	1b	1b	1b	1b	1b

(1) This is not an ISO3448 grade. The number is derived from the product viscosity at 40°C.

(2) The ISO 4406 limits are guaranteed on demand, resulting in additional filtering costs.

(3) 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.

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There is no need for extra additives. Dispose of used oils and packaging according to local regulations. Preserving the environment is everyone's responsibility.