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Part of the PANOLIN concepts



## PANOLIN TURWADA SYNTH

**Turbine and governor oil – readily biodegradable, saturated synthetic esters**

Environmentally Considerate Lubricant (ECL)/Environmentally Acceptable Lubricant (EAL)

### Features and benefits

- Fully synthetic and readily biodegradable turbine and governor oil, based on saturated esters
- Minimally toxic
- CO<sub>2</sub> reduction due to extended oil-change and service intervals
- Prevents gumming and deposits of ageing products even under high thermal load
- Has a flat viscosity-temperature characteristic for reliable machine operation over a wide temperature range
- Far greater reserve capacities than mineral-based turbine oils
- Outstanding high-pressure characteristics
- Excellent oxidation resistance at high temperatures
- Excellent cold flow characteristics (extremely low pour point)

### Applications (follow manufacturer's instructions)

- For all applications where biodegradable turbine/governor oil is specified
- Hydroelectric turbine/generator bearings
- Hydraulic governor systems in hydropower stations

### Environmental compatibility (average values – biological data subject to natural fluctuations)

It is decomposed by micro-organisms in water and/or soil almost without any residues.

- Biodegradability acc. to OECD 301 B: > 60%
- Water hazard classifications acc. to AwSV: WGK 1

### Approval (valid manufacturer approval for the specific lubricant)

Leroy-Somer (42360, 42390)



### Technical data (mean values, subject to normal tolerances)

PANOLIN TURWADA SYNTH	Product No.	Density g/cm <sup>3</sup> 15°C	Viscosity in mm <sup>2</sup> /s		Flashpoint COC in °C	Pour point in °C	Viscosity index
			40°C	100°C			
	32	0.923	30.5	5.9	> 220	- 59	141
	46	0.924	46.9	8.1	> 221	- 58	146
	68	0.928	70.5	11.2	> 222	- 55	151
	100	0.917	102.5	14.9	> 258	- 43	151

### Instructions

Please refer to the drum label, or for detailed information, to the safety data sheet – available from PANOLIN.  
Before changing over to PANOLIN EALs/ECLs, please ask for our instructions.