SPINTA TURBINE 46 / 68 / 100

Product Code: SP-IN-TUR-46 / SP-IN-TUR-68 / SP-IN-TUR-100

Industrial Steam and Gas Turbine Lubricant

PRODUCT DESCRIPTION

SPINTA TURBINE is formulated for industrial gas, steam and combined-cycle turbines. It provides anti-wear, anti-rust, antioxidant and anti-foam protection together with strong thermal-oxidative stability, water separation and deposit control, supporting reliable performance in turbines, compressors and pumps where the listed requirements apply.

APPLICATIONS & BENEFITS

Demulsibility Rapid water separation helps minimize corrosion and wear in steam-turbine lubrication systems.
Foam & Air Release Anti-foam properties support reliable pump operation and reduce cavitation risk.
Oxidation Control Highly refined base oils and inhibitors limit acids, deposits and varnish formation.

KEY PERFORMANCE BENEFITS

Advanced Protection Helps control wear and corrosive effects across light and heavy operating loads.
Broad Turbine Use Suitable for industrial gas, steam and combined-cycle turbines, hydroelectric turbines and compatible compressors.
Stable Lubrication Maintains reliable lubrication and cleanliness in demanding turbine service.

SPECIFICATIONS & PERFORMANCE LEVELS

Meets or exceeds the following specifications and performance levels; application statements as indicated:

- DIN 51515
- General Electric GEK-32568F
- Alstom HTGD 90117
- Solar Turbines ES 9-224
- Siemens TLV 901304

Recommendation: Select the ISO viscosity grade and turbine-oil specification required by the turbine or compressor manufacturer before use.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Property	Test Method	46	68	100
ISO Grade	-	46	68	100
Density @ 15°C, kg/dm³	ASTM D 4052	0.855	0.865	0.870
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	46.0	68.0	100.0
Kinematic Viscosity @ 100°C, cSt	ASTM D 445	6.5	9.5	11.5
Viscosity Index	ASTM D 2270	105	105	100
Deaeration, min	ASTM D 3427	4	6	10
Copper Corrosion, 3h @ 100°C	ASTM D 130	1B	1B	1B
Rust Preventing	ASTM D 665A	Exceeds	Exceeds	Exceeds
Pour Point, °C	ASTM D 97	-27	-27	-24
Flash Point, °C	ASTM D 92	225	230	230
FZG / Exceeded Stage	DIN 51354	10	10	10

Note: The values shown above are typical for normal production and may vary within normal manufacturing tolerances. They do not constitute a product specification or contractual limit.

STORAGE, HEALTH & ENVIRONMENT

STORAGE

Store under cover whenever possible. If outdoor storage cannot be avoided, containers should be protected from rain and water infiltration. Avoid temperatures above 60°C, direct sunlight and freezing conditions.

HEALTH & SAFETY

When properly used and handled in accordance with standard personal hygiene practices, the product is not expected to present adverse health effects under normal conditions of use. Refer to the corresponding SPINTA Safety Data Sheet (SDS) for detailed precautions and first-aid information.

ENVIRONMENT

Do not discharge new or used product into drains, sewage systems, soil or watercourses. Used product must be collected and delivered to an authorized collection or disposal facility in accordance with applicable regulations.

ADDITIONAL INFORMATION

Safety Data Sheet (SDS): The corresponding SPINTA Safety Data Sheet is available separately and should be consulted before handling or using the product.
Technical Service: SPINTA ITALIA S.r.l. | Viale C. Battisti 15, 27100 Pavia (PV) - Italy | info@spinta-lub.it | www.spinta-lub.it