

TECHNICAL DATA SHEET



Product code: see below table **Sector:** Industrial **Issue No:** 4 **Issue Date:** 21/07/22

MILLBINE RANGE

Millbine is a zinc-free turbine oil range using highly refined base oils and the latest additive technology, which imparts excellent oxidation control, water separation and low foaming performance.

Application

For the lubrication of gas, steam or hydraulic turbines.

Features & Benefits

- Outstanding oxidation stability for improved reliability, cleanliness and extended drain intervals
- High levels of anti-wear protection for extended equipment life
- Low foaming formulation with air release properties for improved performance
- Excellent water separation, plus corrosion and rust prevention additives to protect equipment

Performance Profile

- DIN 51515 Part 1 (L-TD), Part 2 (L-TG)
- ASTM D4304 Type I & II
- ISO 8068-L-TGA
- ISO 8068-L-TSA
- Siemens TLV 9013 04, TLV 901305
- BS 489
- GEK 32568 A/C, GEK 28143b
- GEK 117064, GEK 101941A
- MIL-L-17672 D
- CEBG 207001
- Brown Boveri HTGD 90117
- U.S Steel 120
- Alstom HTGD 90117 V0001 S
- Solar ES 9-224 Class I/Class II
- Dresser Rand 003-406-001
- Alstom Power Hydro HTWT 6000 50
- Westinghouse Electric Corp. Turbine Oil Specification
- TGM-KANIS Turbines WN000023 (version 17: 20/07/2022) *

* Approved and listed



MADE IN BRITAIN

Millers Oils Ltd
Brighouse West Yorkshire HD6 3DP UK
Tel: +44(0) 1484 713201
www.millersoils.co.uk

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Typical Characteristics

Millbine	32	46	68
Specific Gravity @ 15°C	0.853	0.859	0.867
Kinematic Viscosity @ 100°C	5.3 cSt	6.9 cSt	8.8 cSt
Kinematic Viscosity @ 40°C	30.0 cSt	45.0 cSt	65.2 cSt
Viscosity Index	110	108	110
Flash Point (°C)	>200	>210	>220
FZG Gear Test A 8.3/90 (DIN 51354, Part 2) Rating (Siemens TLV-EP & TGM-KANIS Fail Load Stage ≥8 Alstom HTGD - Fail Load Stage ≥9)	Fail Load Stage 9	Fail Load Stage 10	Fail Load Stage 10
Health & Safety/Product Code	5035	5046	7882

Technical & Health and Safety

T: 01484 475060

E: technical@millersoils.co.uk

For H&S info or SDS, please visit our website www.millersoils.co.uk



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