

## Technical Data

# Tubol™ SY 125 & 350

Formerly Tubol AL 125



## Synthetic lubricants for the drawing of non-ferrous tube

### Description

Tubol SY 125 and Tubol SY 350 are fully synthetic, polymeric lubricants with low to medium viscosity, developed for the cold drawing of non-ferrous tubes.

Optimised for final draw pass ID lubrication during copper tube finishing operations, such as spinner blocks and inner-grooved tube production. Their lower viscosities promote effective heat dissipation and lower friction at high drawing speeds, to ensure efficient lubricant distribution and coverage in tight clearances. They can also be applied to OD applications where lower lubricant carry over is required.

The Tubol range also includes alternative lubricants tailored to different processes.

### Features and Benefits

- Designed for ID finishing and IGT lubrication, also suitable for OD with low carry-over
- High-purity base fluids and hydrolysis-resistant additives reduce the risk of formicary corrosion, helping to extend tool life and deliver superior surface finish
- High viscosity index maintains viscosity at high temperatures for improved lubrication
- Residual oil film evaporates cleanly during annealing, leaving minimal residue
- Excellent bright annealing in inert, dry heat-treatment atmospheres
- Strong solvency and flushing action removes heavy lubricants from breakdown draws for cleaner tubes
- Residue after bright annealing is compatible with R-134a refrigerant

### Recommended Instructions for Use

Tubol SY 125 and SY 350 should be applied to the work piece in neat form.

Refer to the product safety data sheet for guidance on safe handling, storage, and disposal.

### Storage

Store Tubol SY 125 and Tubol SY 350 out of direct sunlight and protect from frost. Storage temperature should be controlled to between 5°C and 35°C.

The most up to date shelf-life information for Metalube products can be found on the certificate of analysis issued at the time of manufacture.

### Pack Sizes

Product	Code	Pack
SY 125	F407508	20 Ltr Poly
	F407525	200 Ltr Barrel
SY 350	F407520	1000 Ltr IBC
	F407625	200 Ltr Barrel

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Property	Test method	Tubol SY 125	Tubol SY 350
Appearance	MSTM 1	Clear colourless fluid	Clear colourless fluid
Kinematic viscosity at 40°C	MSTM 27	125 cSt	350 cSt
Kinematic viscosity at 100°C	MSTM 28	16 cSt	37 cSt
Viscosity Index	Calculated	136	153
Density at 20°C	MSTM 23	0.85 g.cm <sup>-3</sup>	0.85 g.cm <sup>-3</sup>
Remaining residue TGA D50-550	MSTM 91	<0.1%	<0.1%

Note: these values are typical only and do not constitute a specification

### Limited warranty information

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. We accept no liability for any loss and/or damage arising from a failure to store our products in accordance with the information contained in this technical sheet. Metalube Group's sole warranty is that our products will meet their quality control specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. To the fullest extent permitted by applicable law, Metalube Group specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Metalube Group disclaims liability for any incidental or consequential damages.

**Metalube Group Ltd**, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester M44 5EG, UK

Tel: +44 (0)161 775 7771 [post@metalube.co.uk](mailto:post@metalube.co.uk) [www.metalube.co.uk](http://www.metalube.co.uk)

Company registration number: 2263118; Company registered in England VAT registration number GB108244927