

ESC

Applied Lubrication Technology Inc.'s ESC has been developed to meet the unique and extreme requirements of escalator chain lubrication. ESC can be applied many ways but is best applied through the use of an automatic lubrication system that can control the amount of lubricant applied, as well as the interval between lubrication cycles. To ensure ESC penetrates and spreads to all parts of the chain, a proprietary blend of surface contact agents has been added. To increase machine life, and decrease costly maintenance, molybdenum disulfide has been used to enhance anti wear performance. The molybdenum contained in ESC will deposit as a dry coating on chain surfaces and leave a very high film strength boundary layer to prevent metal to metal contact between reapplications. ESC is formulated with high purity base oils, which generate no offensive odors and provide consistent lubricant performance. The operating range of ESC is -40°C to 315°C.

Technical Specification of ESC:

ESC	Typical Properties
Appearance	Dark Grey / Black
Odor	Mild Petroleum
Base Viscosity (of the concentrate portion)	9.66 cSt @ 40°C (59.4 sus@104°F)
	2.66 cSt @ 100°C (37.6 sus@212°F)
VI (Viscosity Index)	117
Flash Point (COC)	184°C (363°F)
Copper Corrosion (ASTM D 130)	1 lb
Falex Test Load Lbs	+4500
Torque	+55 Ft - Lbs
Swell Test (ASTM D4289)	1.9 %

Product Applications

This light viscosity lubricant has been specifically developed for the lubrication escalator chain systems. The ESC can also be used for the lubrication of many other mechanical devices, such as; Bearings, Gears, Sprockets, Hinges, Linkages, Threads, Slides, Cables, Locking Mechanisms, etc.

Product Packaging

ESC is available in 18.9 Liter (5 Gallon) pails, 200 Liter (53 Gallon) drums, and 1200 Liter (317 Gallon) returnable tote bin quantities.

Contact us for more information!
Scan the qr code to send us an email, we will contact you shortly.



All reasonable care has been taken to ensure the information contained in this document is accurate as of the day of printing. However, such information may be affected by changes in the blend formulation occurring subsequent to the day of printing. Material Safety Data Sheets are available for all Applied Lubrication Technology Inc. products and must be consulted for appropriate storage, safe handling and disposal information of the product. Please contact us for more information. October 2012.