



## Technical Data sheet

# ILS MAGNA AW 100

## General Machine Lubricant

### Description

ILS MAGNA AW 100 is formulated from premium quality refined base oils and contains anti-wear and tackifying additive for application as a general lubricant to chains, slides, sprockets, and bearings as utilised in the saw mill industry.

### Typical Applications

ILS MAGNA AW 100 is an excellent general machine lubricant which can be utilised in a central lubrication system as common in commercial Saw Mill operations.

ILS MAGNA AW 100 is applicable for lubrication of chains, sprockets, slides, bearings and lightly loaded gearbox applications.

### Advantages

- Minimises throw off especially on large fast moving Saw Mill Chain Systems.
- Minimises wear on chains, slides, bearings and may be applicable for lightly loaded gearboxes.
- May be dispensed from central lubrication system.

### Typical Properties

Name	Method	Units	AW 100
Appearance	Visual	-	Clear & Bright
Density @ 15°C	ISO 12185 / ASTM D4052	kg/m <sup>3</sup>	890
Kinematic Viscosity @ 40°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	105
Kinematic Viscosity @ 100°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	11.1
Viscosity Index	ISO 2909 / ASTM D2270	-	96
Pour Point	ISO 3016 / ASTM D97	°C	-18
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892	ml/ml	10/0
Water Separation @ 54°C (40/37/3)	ISO 6614 / ASTM D1401	min	15
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C	220
Air Release @ 50°C	ISO 9120 / ASTM D3427	min	12
Rust test - synthetic seawater (24 hrs)	ISO 7120 / ASTM D665B	-	Pass
Copper corrosion (3 hrs@100°C/212°F) (24 hrs)	ISO 2160 / ASTM D130	Rating	1A

Four Ball Wear test - Wear Scar Diameter	IP 239	mm	0.3
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	Failure Load Stage	12

**Note: Data is typical and does not constitute a specification**

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.

It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. See [www.ils.co.nz](http://www.ils.co.nz) No responsibility is taken by either ILS LTD for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.