

PRODUCT NAME	LA 812 BELLARIA FOOD GRADE AIR-LINE OIL
ISO VISCOSITY	15, 22
MAJOR RATINGS	ISO 6743/4 (HM, HV), DIN ISO 15380, DIN 51524 (HL, HLP, HVLP)

DESCRIPTION

LA Bellaria Series are Ultra-high performance ashless food grade machinery and processing oils providing enhanced oxidation and corrosion inhibiting properties. This series complies with global standards for food safety and quality meeting NSF H-1 registered Title 21 CFR 178.3570 by the Food and Drug Administration (USA) for incidental food contact.

ADVANCED SYNTHETIC

LubeAlloy Specialised Lubricants proprietary blend of PAES-SYN™ Formula and synthetic renewable biodegradable base oils, are formulated to enhance process and packaging machinery life and durability, exceeding OEM performance requirements.

PRODUCT APPLICATION

LA 812 Bellaria Series can be used as an air-line and light hydraulic oil in all production and packaging areas within food processing plants. The Bellaria Series is suitable for use in the production of Kosher Parve and Halal certified food establishments.

ENERGY EFFICIENCY

Low coefficient of friction properties of PAES-SYN™ base oils and requirements for OEM specific chemistry, results in maximum reduction of internal friction, providing economic benefits in energy usage.

WEAR PROTECTION

The combination of PAES-SYN™ base oils and highly advanced NSF approved ashless additive technology formulated in the LA 812 Bellaria Series. They provide a resilient oil film at elevated temperatures to protect internal hydraulic piston and valve components, including shafts and bearings where a circulating oil is prescribed.

RUST AND CORROSION

LA 812 delivers protection against oxidising metals, ferrous & non-ferrous yellow metals that form rust and corrosion where incidental food contact can be exposed to high moisture conditions when regular wash-down of processing plant machinery is an occurrence.

SPECIFICATIONS & APPROVALS

ISO 6743/4 (HM,HV), ISO 11158 (HM,HV), DIN 51524 – PARTS 1-3 (HL,HLP,HVLP), DIN ISO 15380 (HEES), US Steel 127/136, ISO 6743/6 (CKB,CKC), ISO 12925 (CKB, CKC), DIN 51517 PARTS 1-3 (C,CL,CP)

COMPATIBILITY

Kosher & Parve, Halal, NSF H-1, DIN 51506 VDL, Eaton 35VQ25 pump test requirement

PHYSICAL CHARACTERISTICS

TEST DESCRIPTIONS	ASTM	812-15	812-22
Viscosity Grade	ISO	15	22
Viscosity, cSt @ 40°C	D-445	15.92	21.92
Viscosity, cSt @ 100°C	D-445	3.7	4.51
Viscosity Index	D-2270	121	125
Density @ 15°C, kg/L	D-4052	0.831	0.837
Copper Strip Corrosion, 3hr, 100C	D-130	1B	1B
Pour Point, °C	D-5950	-48	-47
Flash Point (COC), °C	D-92	245	245
Rust Characteristics, Procedure A	D-665	PASS	PASS
FZG Load Carrying Capacity, A/8.3/90	DIN ISO 14635 -1	>12	>12

Typical formulation specifications at time of production, minor variations may occur.

Health and Safety: This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Material Safety Data Sheet (MSDS).

LubeAlloy Bellaria Series FG lubricants are recommended for use in a wide variety of hydraulic, gear and bearing applications within the food and beverage processing, packaging and pharmaceutical industries. The products are effective in applications where maintenance costs of component replacement, system cleaning and lubricant changes are high. The Bellaria Series of FG lubricants are 6,000 – 8,000 hour operational oils for hydraulic systems. LubeAlloy Lubricant Analysis program is advised to monitor the concentration and chemical stature every twelve months for oil life, contaminants and wear metal concentrates.