

Product Information



Xtract™ Contamination Removal

Xtract™ Oil Sight Glass

Inspect oil and drain water out of your reservoir with the original solution to oil inspection problems.



Applications

- Pumps
- Gearboxes
- Storage tanks
- Fluid-lubricated machinery



Xtract™ Oil Sight Glass

With the Oil Sight Glass (OSG), users have the ability to do an immediate visual inspection of the oil and to drain any accumulated water. The OSG is installed directly to a drain port located at the bottom of a reservoir or with an elbow for drain ports located on the side of the equipment. The spring-loaded drain valve is used to purge any accumulated water. Any sediment or particles in the lubricating fluid will migrate to the OSG where, upon inspection, the user can determine the appropriate action.

Key Benefits

- Provides 360° view of oil clarity
- Easily collect and drain water
- Durable and UV resistant
- Excellent chemical compatibility
- Dual-mount design for easy vertical or horizontal installation

By the Numbers

- 1—Brass hex nipple (optional stainless steel)
- 2—High-performance polyamide bottle
- 3—Collected water
- 4—Brass drain valve (optional stainless steel or magnet drain)



Horizontal Installation



Vertical Installation



Material

- Transparent polyamide*
- Brass hex nipple
- Brass drain valve

Recommended Temperature Range

- -40 to 93°C (-40 to 200°F)

Maximum Operating Pressure

- 65 psi
- 4.48 bar

Chemical Compatibility

- All gear and mineral oils
- Most synthetic oils

Available Options

- 1/4", 3/8", and 1/2" NPT hex nipples
- 1- and 3-oz sizes available in polyamide
- 16- and 32-oz Large Volume sizes available in acrylic
- Stainless steel fittings
- Magnetic drain valve for collecting ferrous material

Sizing

Part Number	Description	Overall Length		Outside Diameter	
		(in)	(cm)	(in)	(cm)
Standard Sizes (Polyamide)					
LEXOS250-1	1oz X 1/4"	3.0	7.62	1.72	4.37
LEXOS375-1	1oz X 3/8"	3.0	7.62	1.72	4.37
LEXOS500-1	1oz X 1/2"	3.0	7.62	1.72	4.37
LEXOS250-3	3oz X 1/4"	3.15	8.0	2.50	6.35
LEXOS375-3	3oz X 3/8"	3.15	8.0	2.50	6.35
LEXOS500-3	3oz X 1/2"	3.15	8.0	2.50	6.35
Large Volume Sizes (Acrylic)					
LEXOS500-16	16oz X 1/2"	5	12.70	3.50	8.89
LEXOS500-32	32oz X 1/2"	5	12.70	4.50	11.43

* 1- and 3-oz bottles are polyamide. 16- and 32-oz bottles are acrylic.



Do I still need a desiccant breather if using the Oil Sight Glass?

Yes. Desiccant breathers prevent moisture and contaminants from entering the fill port of equipment and pull moisture from the headspace. However, a desiccant breather cannot remove large amounts of water already mixed into the oil. That is why combining the use of desiccant breathers with oil filtration and an OSG to isolate and remove free-flowing water from the oil is best practice. Additionally, the OSG will act as an early indicator of a contamination problem.

How durable is polyamide?

Polyamide is extremely durable and impact resistant. With excellent weathering and UV resistance, it is capable of withstanding years of exposure to sun, rain and other extreme weather conditions.

Does the Oil Sight Glass replace the need for oil filtration?

While the OSGs will isolate and remove free-flowing water, it is still recommended that you use other filtration systems to remove all water contamination from your oil. The OSG will be an early indicator of contamination problems and can help find the source of such problems, but the OSG alone will not prevent moisture from entering your reservoir or remove any water that has become emulsified in the oil. Contact us at info@le-inc.com for more information on filtration systems.

Can the Oil Sight Glass replace my oil sampling program?

Oil sampling and analysis is still recommended, as it is best practice. The OSGs are part of a comprehensive preventative maintenance program, and they will show users early indications of various forms of contamination.

Can I pull an oil sample from the Oil Sight Glass?

Water and other contaminants tend to sink to the bottom of a reservoir. Because of this, samples taken from the OSG will typically be “dirtier” than the rest of the oil in the reservoir. Best practice dictates that a sample should be drawn from the center of an oil reservoir. Sampling tubes can be used in conjunction with the OSG to draw a representative oil sample to be analyzed.

Can I use the Oil Sight Glass in freezing conditions?

The OSG can safely be used in temperatures as low as -22°C (-40°F), as long as it is not allowed to fill completely with water.

I’m concerned about the Oil Sight Glass breaking. What can I do to prevent this?

Although very durable and impact resistant, it’s best to install the OSG in a location that is protected from mobile equipment or other high-impact hazards. It is also recommended that users install a ball-valve between the drain port and the OSG. The ball-valve allows instantaneous shut-off of oil flow if necessary.

How can I clean/replace the Oil Sight Glass without having to drain the oil from my equipment?

Installing a ball-valve between your drain port and the OSG will allow users to shut off the flow of oil in order to clean or replace the product. Cleaning the products typically requires just soap and water. Cleaning agents should be avoided, as they can cause fogging, crazing and degradation.