OCL-M (Oil Chain Lubrication – Mechanical)

More time in the field with reliable chain lubrication

The system gives farmers confidence that machinery will run with maximum reliability

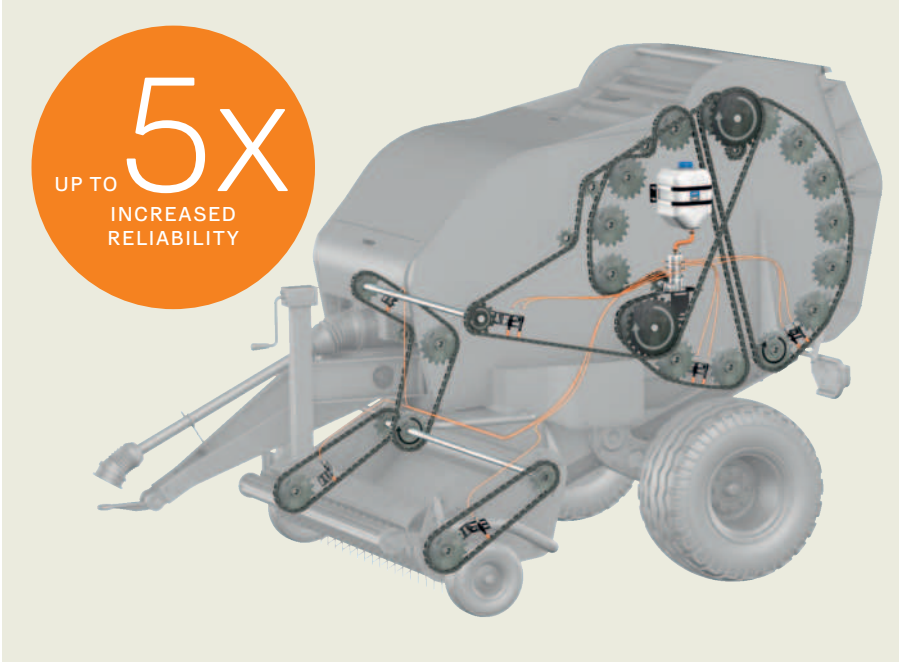
During harvesting season, farmers focus on the task at hand. They do not want distractions – such as whether their baling machine will last the duration of the harvest.

The SKF Lincoln automatic chain lubrication system OCL-M was specifically developed for agricultural machineries such as balers and combines.

It helps to maintain peak machine performance, by continuously dispensing precise amounts of lubricant to the moving chain. This can extend chain life, which helps to raise machine reliability.

System benefits:

- Extends chain life up to five times
- Reduces maintenance, improves safety and cuts overall lubricant cost
- Short payback time
- Lubricates continuously while the chains are running
- Easy to select and install
- Available as a pre-configured kit, or in various component sets for an individual kit compilation
- Can be adjusted to serve up to 20 lubrication points at the chains
- Robust design withstands harsh operating conditions



Reduce maintenance, increase safety and extend your chain life

During harvesting season, farmers focus on the task at hand. They do not want distractions – such as whether their baling machine will last the duration of the harvest.

By reducing chain wear, the OCL-M automatic lubrication system lessens the chance of downtime. Compared to manual chain lubrication, continuous lubrication can deliver a five-fold increase in reliability and service life.

This gives farmers confidence that their machinery will not break down during the rigours of harvesting.

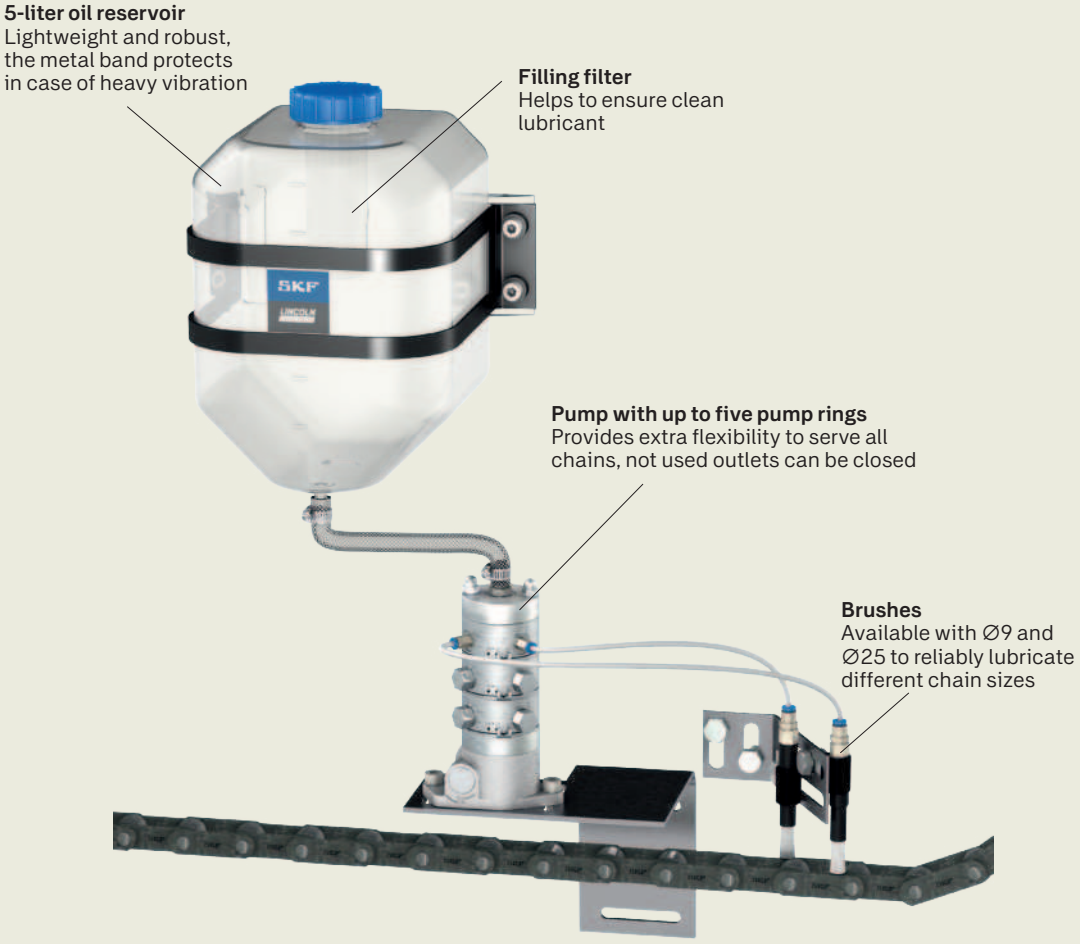
The harsh conditions during harvesting and baling, such as dust, moist and vibration, continuously stress all machine elements, specifically the chains. Continuous lubrication is vital for chain life.

The robust design of the OCL-M withstands these harsh conditions. The system design includes brushes – which clean the chain during operation.

Because it is mechanically driven, the system does not require any hydraulic or electrical fittings. Its simple mode of operation means that it will need minimal after-sales service.

OCL-M removes the need for manual lubrication. As well as freeing up time, this improves safety – as lubricating chains manually can be hazardous. In addition, the accuracy of automatic lubrication can help to reduce overall lubricant costs.

The mechanically driven system is available as a pre-configured kit. It is easy to select and install – a cost-effective way of raising operational efficiency.



Example layout of a OCL-M chain lubrication system with a 3-stage pump, 5-liter reservoir and two brushes

The heart of the system is a pump with a high degree of configuration features

The OCL-M pump, mounted directly on a machine's shaft, dispenses precise amounts of oil to the moving chain during operation.

Customers can select from two gear ratios (1:6.75 and 1:27) to drive the pump, which operates reliably regardless of drive shaft rotation due to its worm gear reversibility.

With three different pump elements and four lubricant outlets each, a wide range of lubricant dosage is possible. Up to five pump elements can be combined, and the output of each element is easily adjustable via an adjustment disk, with the initial setting visible for tracking. Self-lubricating pump elements and pressure pistons reduce wear and increase service life.

These features enable system adaptation for lubricating larger machinery or operating under more demanding conditions.

How to order

The easiest and fastest way to order an OCL-M is to choose a pre-defined kit for a certain number of outlets.

OCL-MK-0001300-3	OCL-M-Kit for up to 12 outlets
OCL-MK-0031200-3	OCL-M-Kit for up to 8 outlets

The kits contain a pump with gear ratio 1:6.75, with two or three pump elements D7 and a reservoir, the correct number of brushes and hoses, and all accessories you need to install the system at your machine.

Technical data for OCL-M pumps

Function principle	Mechanically operated radial piston pump
Lubricants	Mineral oils (visc. 32 to 2 000 mm^2/s)
Operating temperature	0 to +70 °C
Operating pressure	10 bar
Internal relief pressure	40 bar
Drive speed	30 to 1 300 r/min
Gear box	Worm and worm wheel
Ratio	1:6.75; 1:27
Drive shaft	9–10 mm
Stackable pump elements	max. 5
Outlets per pump element	4
Total number of outlets	4–20
Displacement per outlet and revolution of the pump shaft	
Pump element D7	0.02–0.06 cm^3
Pump element D6	0.015–0.04 cm^3
Pump element D4	0.005–0.015 cm^3
Displacement variability	Continuously
Inlet/outlet connection	$G^1/_8$ BSP
Mounting position	Any

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