

## FLOW HAMMER BBO

### DESCRIPTION:

Biodegradable lubricating oils (greater than 80% in the CEC L-33-A-93 test).

### PROPERTIES & ADVANTAGES:

- ✓ They have properties to work under extreme pressure, as well as anti-wear, anti-rust and anticorrosive properties, also being reinforced with tackiness agents that notably improve their lubricating properties.
- ✓ They have excellent resistance to moisture washing, offering maximum protection when cutting with water.
- ✓ They reduce the potential for environmental damage to surface and underground aquifers, as well as to the ground penetrated during mining in mineral operations, road and underground pipeline construction, quarries, drilling of water wells, and oil and gas exploration.

### APPLICATIONS:

- ✓ Products formulated specifically for the lubrication of compressor jack hammers, pneumatic hammers, track drills, burins and other pneumatic or hydraulic tools.
- ✓ Hammer drills pneumatically driven at both head and base.
- ✓ For use in line lubricators or as lubricant applied through the drill bit.

### QUALITY LEVEL / PERFORMANCE:

Quality level according to the ISO 6743-11 PAC, PBC standard.

### TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE			
ISO grade	ISO 3448	100	150	220	320
Density at 15 °C, typical (kg/l)	ASTM D-1298	0.930	0.930	0.930	0.930
Viscosity index, min.	ASTM D- 2770	160	160	160	160
Pour point (°C), max.	ASTM D-97	-25	-20	-20	-15
Flash point COC, min. (°C)	ASTM D-92	260	260	270	280
Corrosion Test					
- Distilled Water (A)	ASTM D-665	PASS	PASS	PASS	PASS
- Sea Water (B)	ASTM D-665	PASS	PASS	PASS	PASS
Biodegradability, %, min.	CEC L-33-A-93	80	80	80	80
4-ball E.P. Test - Welding load (27 °C, 1700 rpm), kg	IP-239	250	250	250	250
4-Ball Wear Test: (40 kg/1200 rpm/75 °C/1 h), scar mm	ASTM D-4172	<0.4	<0.4	<0.4	<0.4

*Note : These data represent average values after different tests. Given the wide variety of operating conditions, they do not constitute a basis for specifications. Olipes SL reserves the right to modify the indicated data without prior notice.*

### HOW TO USE:

FLOW HAMMER BBO oils are miscible with other oils for the exact same application and with the same level of quality.

Before blending, it is recommended that you check the condition of the oil that is being topped up, as well as the system to which it is being added. Do not mix with mineral oils or any non-biodegradable oil.

### PACKAGING:

20L jerrycan and drum of 50L & 200L.