



SUMOLUB

Super performance booster for lubricants

I. PRESENTATION

The Bardahl SUMOLUB additive has been formulated from:

- 100 % synthetic and biodegradable oils,
- Last generation additives (Nano lubricant) combining the necessary properties with a better functioning of all types of material such as speed reducers, gear pairs, hydraulic systems, engines, ...

The functioning principle of SUMOLUB is based on the formation of a polar film on the metal surface.

II. PROPERTIES

Thanks to its formula, SUMOLUB dramatically reduces:

- The friction ratio,
- The energy consumption necessary to overcome frictions,
- Noise from frictions and thrilling.

III. ADVANTAGES

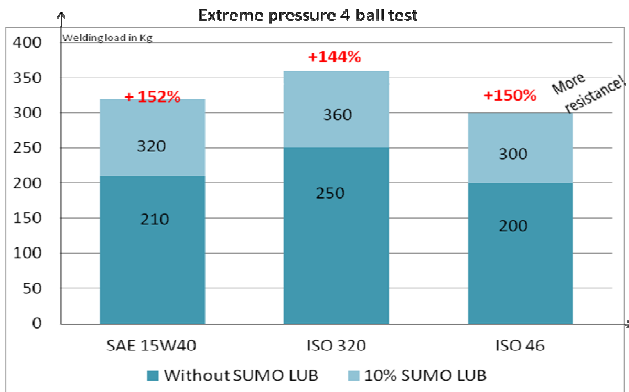
Thanks to the reactivity of additives towards metals and their wonderful resistance to heavy load and high temperatures, SUMOLUB has the following advantages:

- Outstanding extreme pressure and anti-wear properties (4 ball test)
- Excellent friction modifier:
 - ° Important energy saving up to 40 %,
 - ° Reduces the functioning temperature up to - 42 % (4 ball test)
 - ° Dramatically reduces functioning noise
- Great protection against corrosion and oxidation,
- Total inertia on all kind of gaskets,
- Compatible with any metal except bronze,
- Perfect miscibility with any type of oil (mineral, semi-synthetic, synthetic),
- Longer lifespan of used oil and material.

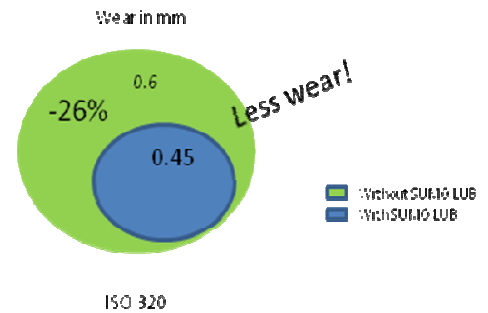
IV. TECHNICAL INFORMATION

4 BALL TEST (ASTM D 2596)

Oil type	Welding in kg		Wear in mm after 1 hour at 40kg	
	Without Sumolub	+10% of Sumolub	Without Sumolub	+10% of Sumolub
SAE15W40 Engine oil	210	320	0.45	0.40
ISO 320 Gear oil	250	360	0.6	0.45
ISO 46 Hydraulic oil	200	300	0.4	0.4

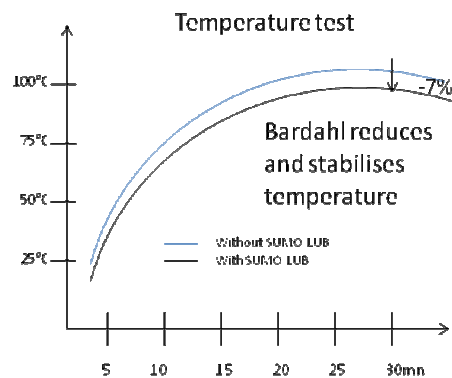
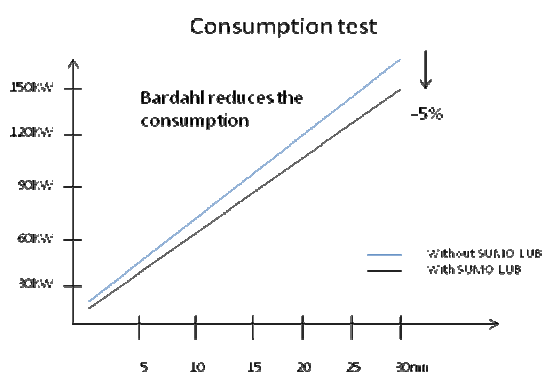


Extreme pression 4 ball wear test



TEST ON DEMO MACHINE

Test conditions	SAE15W40 Engine oil	ISO 320 Gear oil	ISO 46 Hydraulic oil
Increase of acceptable load		+42%	+50%
Reduction of wear	-10%	-25%	0%
Energy consumption	-18%	-40%	-3%
Decrease of temperature	-32%	-42%	-7%
Reduction of noise	-15 decibels	-20 decibels	-10 decibels



We note the temperature and consumption of an electrical engine in equal working conditions.

V. INSTRUCTIONS FOR USE

SUMOLUB can be used in any lubricating oil:

- 5 % in hydraulic systems
- 5 % in motor oils
- 5 % to 10 % in oils for reducers, plain bearings, crankcase roller bearings, ...

VI. AVAILABILITY

SUMOLUB is available in:

- 12 X 1 L case (reference 2580)
- 3 X 5 L case (reference 2583)
- 20 L drum (reference 2588)
- 60L drum (reference 2585)
- 215 L drum (reference 2587)