

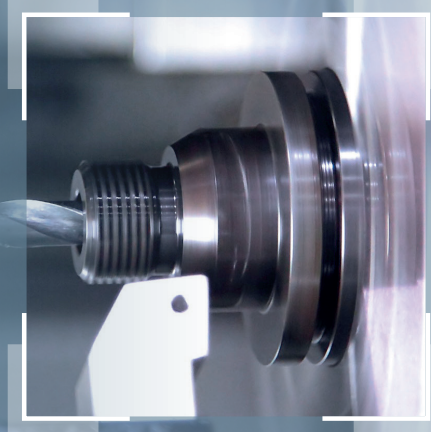


VALONA

MS 7010 BIO



Premium range
of bio-based
cutting oils



VALONA

MS 7010 BIO

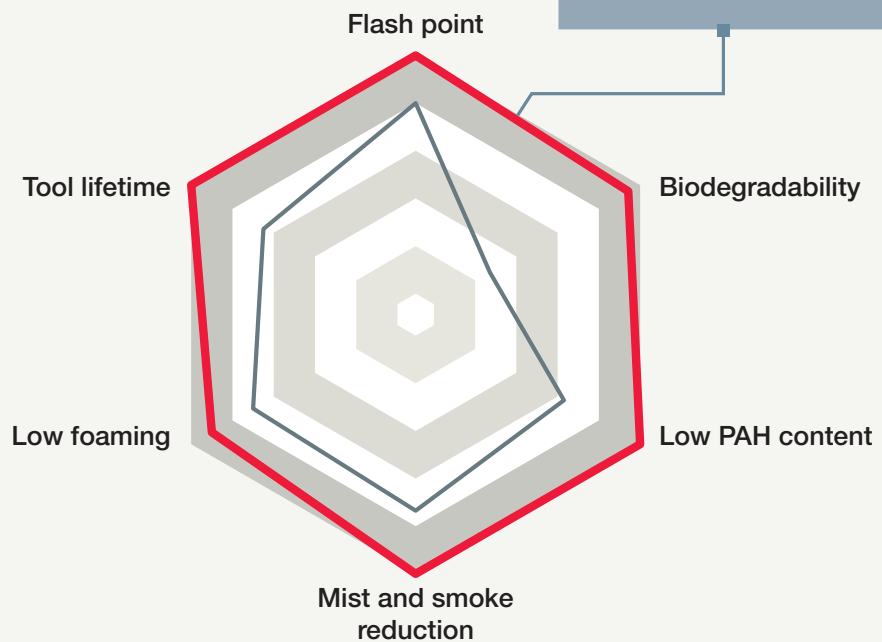
is a bio-sourced
and biodegradable
high performance
multi-service oil.

Thanks to the careful
selection of the raw materials,
this cutting oil has improved
characteristics:

- High flash point
- Low odor
- Very low PAH content
- Low mist releasing
- Low foaming

Bringing operators a better
working environment.

GENERAL PERFORMANCE



◆ VALONA MS 7010 BIO
◆ Standard cutting oil

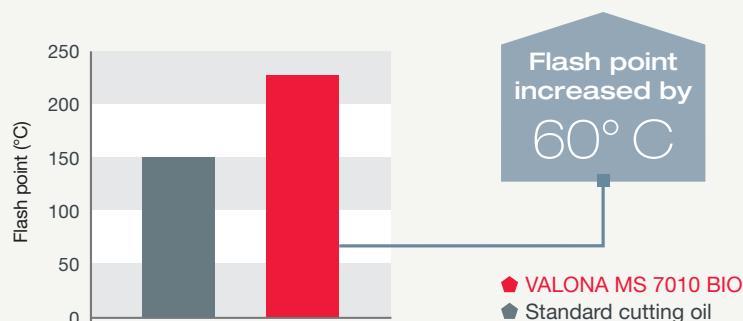


CUSTOMER BENEFITS

- > From renewable feedstock
- > Increased tool lifetime
- > Operator friendly

WORKING CONDITIONS IMPROVEMENT

Flash point test method: ASTM D 92 - ISO VG 10 cSt



✓ STANDARDS AND SPECIFICATIONS:

- Certified:
Readily biodegradable
- OECD 301B guideline

“Operator friendly formulation with the safest molecules on the market.”



- > Thanks to its vegetal origin formula, **VALONA MS 7010 BIO** is an environmental friendly cutting oil which has a high flash point, reducing fire risks in the workshop. This product reduces mist and smoke improving operators working environment.

HIGH WEAR REDUCTION

Cutting tests carried out on the field



- > **VALONA MS 7010 BIO** provides a strong lubricant film thanks to its high content of vegetal esters, reducing wear and increasing tool protection. During turning operations in hard steels 15NiCr13, **VALONA MS 7010 BIO** produced less heat leading to a clear surface aspect of the chips. The results show that wear issues were controlled when the transition from standard cutting oil to our product was made.

INCREASED TOOL LIFETIME

- > Thanks to its high performance formula, **VALONA MS 7010 BIO** increases tool lifetime compared to mineral cutting oils. During field tests, this parameter was evaluated on turning operations in CNC and camshaft machines on hard steels and stainless steels. Tests showed that **VALONA MS 7010 BIO** raised production from 1000 to 3000 pieces per tool in CNC machines and increased the tool lifetime in camshaft machines by 2 to 3 times.

* Refer to LUBRILAM ADD sales leaflet

www.industrial.lubricants.total.com