



SIPMET

High quality base oils for use in premium neat metal working fluids

- Drilling, Tapping, Reaming
- Honing, Lapping
- Grinding
- Broaching, Hobbing
- Aluminium cold rolling
- Cold quenching
- Forming, drawing
- Electrical Discharge Machining / Spark Erosion

- ✓ High purity with low aromatic and sulphur levels
- ✓ Non carcinogenic
- ✓ Low Noack volatility
- ✓ Colourless & odourless
- ✓ Good additive compatibility
- ✓ Oxidatively & thermally stable
- ✓ Sustainable formulating options

HIGH PERFORMANCE SIPMET OILS

The SIPMET premium quality paraffinic base oils are available in low to medium viscosities, specifically designed for formulating a range of neat metal working fluids.

The SIPMETs have outstanding thermal and oxidative stability plus low volatility, which enable them to be used in formulations that provide reduced oil consumption, longer life and less equipment maintenance.

The colourless nature of the oils provides good work piece visibility. In addition, they are odourless, have very

low sulphur and aromatics content, which ensures improved occupational health and safety.

The lower viscosity oils give better cooling, rinsing, filterability and air release whilst the medium viscosity oils provide higher flash points and improved mist control, so a formulator can balance the choice of viscosity recommendation, depending on application.

Sustainable SIPMET ECO oils have now been introduced to enable formulators an easy way to reduce carbon footprint of existing formulations.

SIPMET ECO, A PATHWAY TO SUSTAINABILITY

SIP is committed to bringing sustainable solutions to the lubricants industry, and we are proud to have passed the independent verification of EcoVadis, the world's most trusted provider of business sustainability ratings. To help customers on their way to a net-zero future, SIP is working to bring products into their portfolio that support a circular economy.

SIP has introduced more sustainable products SIPMET 7 ECO and SIPMET 9 ECO. They are the result of a superior process for re-refining used mineral oils, that produces new base oils indistinguishable in quality from virgin mineral base oils. More importantly, these products give up to an 80% reduction in carbon emissions compared to conventional base oils, and give formulators an immediate stepping stone in their journey to net-zero. The product specifications are similar to existing products and substitution in formulations is straightforward. The carbon reduction performance has been independently verified according to the ISO14067 standard.

TYPICAL CHARACTERISTICS OF THE SIPMET AND SIPMET ECO BASE OIL RANGES

CHARACTERISTICS	SIPMET 2	SIPMET 4	SIPMET 7	SIPMET 8	SIPMET 9	SIPMET 12	SIPMET 20	SIPMET 7 ECO	SIPMET 9 ECO
ASTM Colour	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Density at 15°C (g/ml)	0.82	0.83	0.83	0.83	0.83	0.83	0.85	0.84	0.835
Viscosity @ 40°C (cSt)	2.4	3.6	7.6	8.2	8.9	11.5	20.5	7.4	9.2
Flash Point, COC (°C)	114	137	170	165	180	195	205	160	180
Pour Point (°C)	-33	-33	<-21	-33	<-21	-36	-18	-15	-15
Aniline Point (°C)	77	85	99.6	102	101	102	107	99.2	99.6
NOACK at 200°C (% wt)	-	-	22.5	22	16.5	6.2	2	20.7	12.5

The above data is typical and may not fully reflect the product specification.

TYPICAL APPLICATIONS OF THE SIPMET AND SIPMET ECO BASE OIL RANGES

APPLICATIONS	SIPMET 2	SIPMET 4	SIPMET 7	SIPMET 8	SIPMET 9	SIPMET 12	SIPMET 20	SIPMET 7 ECO	SIPMET 9 ECO
Grinding			●	●	●	●	●	●	●
Drilling, tapping, reaming				●	●	●	●		●
Honing, lapping	●	●	●	●				●	
Aluminium cold rolling	●	●							
Cold quenching, broaching						●	●		
Electrical Discharge Machining	●								
Forming, drawing						●	●		



SIP SPECIALITY OILS AND FLUIDS

For more than 35 years SIP Speciality Oils and Fluids has been a respected and recognised independent marketer and distributor. Based in London, we have been supplying customers in Europe and the wider African and Middle Eastern markets for many years. SIP has one of the most comprehensive product portfolios, covering a wide range of base fluids for many product applications. We are especially known for our extensive range of viscosity

grades of mineral white oils with Halal, Kosher and Vegan approvals, and our premium oils for industrial and drilling applications. We manage our own vessel and road tanker operations in-house, based around our storage hubs in North West Europe and the UK. We pride ourselves on our ability to deliver where our competitors cannot by giving you tight lead times, support for unusual viscosity grades, and our own experienced in-house technical services and operations team who offer a bespoke service.



See how we can help your business
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