Proudly Australian
ANGLOMOIL
SUPERIOR LUBRICANTS
Est. 1975

Synthetic Hydraulic Oil ISO 32, 46 & 68

Technical Data Sheet

Why Synthetic? Synthetic lubricants offer distinct performance advantages in industrial applications.

Synthetic lubricants maintain viscosity over a wider temperature range.
Oils thin when hot and thicken when cold. A thin oil will not provide enough lubricity, a thick oil will not flow to the areas where it is needed. Synthetic lubricants are far better at maintaining their viscosity over a wider temperature range than mineral based lubricants.

Synthetics have a longer life than mineral based products.

- **Volatility.** Lubricants can react to other substances such as water or metals which may be present and break down. Synthetic fluids tend to be less reactive.
- **Seal loss.** Some lubricant types cause seal swelling or softening and there can be a high rate of loss through seal leakage. Synthetic losses through seals are low.
- **Oxidisation.** Oils react with oxygen at high temperatures and their molecules break down. Synthetic lubricants have a very high resistance to oxidisation and hence a much extended life.
- **Sludge.** Petroleum base stocks are a complex and variable mixture of hydrocarbons. As some of the lighter, volatile components boil off at higher temperatures and sludge deposits remain. Synthetic lubricants have far higher temperature tolerances and molecular consistency.

Synthetic lubricants outlast mineral based products many times over… and provide better lubrication. **Synthetics are cheaper in the long run!**

Which Synthetic? PolyalphaOlefin (PAO) was selected as the base for Anglomoil's range of synthetic industrial lubricants.

PAO is renowned for its wide operational temperature range, high Viscosity Index, Thermal Stability, Oxidative Stability, Hydrolytic Stability, compatibility with construction materials especially elastomer seals, Shear Stability, compatibility with mineral oils, low corrosivity, and low Toxicity. It's the best oil for the task.

Anglomoil Synthetic Hydraulic Oil

Anglomoil Synthetic Hydraulic oils will provide a far longer service life than most mineral based lubricants.

Synthetic Durability and Long Life. Good quality mineral oils can provide service over 1000 and sometimes up to 2000 hours but eventually oxidisation of the oil necessitates shutdown, service and oil change.

Anglomoil Synthetic Hydraulic Oil can provide a service life exceeding that of mineral oils. This means lower maintenance costs and fewer disruptions to production schedules.

Sydney | Melbourne | Newcastle | New Zealand | Vietnam
AnglomOil Lubricants Group Pty. Ltd. | ABN 83 622 865 091
Int HQ: 2 Beaumont Road, Mt. Kuring-gai NSW 2080 Australia | Australia: P 1300 264 566
Int: P +61 2 9457 8566 | F +61 2 9457 8057 | E info@anglomoil.com | W www.anglomoil.com

Proudly Australian
ANGLOMOIL
SUPERIOR LUBRICANTS
Est. 1975

Technical Data Sheet

Compatibility. Anglomoil PAO lubricants are compatible with paints, seals, gaskets and hoses in common use. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to an Anglomoil synthetic hydrocarbon-based lubricant.

Typical Characteristics

Synthetic Hydraulic Oils							**Indicative Properties**	
Product Name	Base Fluid	ISO Grade	Viscosity cSt		SAE Grade	S.G. @ 15.6˚C	Flash Point ˚C	Pour Point ˚C
			40C	100C				
Hyd 32	PAO	32	31	5.7	10	0.83	240	-55
Hyd 46	PAO	46	46	7.7	10W-20	0.83	250	-55
Hyd 68	PAO	68	63	9.7	20	0.84	250	-45

Master Item# 1721
Pack Size Availability: 20L, 200L, IBC=1000L

Last Updated: 10th March 2021

Sydney | Melbourne | Newcastle | New Zealand | Vietnam
AnglomOil Lubricants Group Pty. Ltd. | ABN 83 622 865 091
Int HQ: 2 Beaumont Road, Mt. Kuring-gai NSW 2080 Australia | Australia: P 1300 264 566
Int: P +61 2 9457 8566 | F +61 2 9457 8057 | E info@anglomoil.com | W www.anglomoil.com