

KYNOS SYNHYDRA FG AW

Hydraulic Oils

KYNOS LUBRICATION PRIVATE LIMITED

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Synthetic Food Grade Oils for the Food Industry.

SYNHYDRA FG AW is formulated using specially selected synthetic base stocks in combination with the latest additive technology. It is essentially nontoxic, making it suitable for applications where incidental contact with food or raw materials during the production is possible.

Thanks to its great performance characteristics and versatility, SYNHYDRA FG AW oils can be used in most applications in the manufacturing process in the food production and processing industry.

Applications

- Due to their excellent anti-wear properties, they are used as hydraulic fluid for both power and motion transfer in machinery operated close to the food production process.
- Utilized in forklifts and pallet jacks used in food warehouses and distribution centres, where hydraulic systems lift and move food products, ensuring that the lubricant is safe for any incidental contact.
- Used in hydraulic systems of conveyor belts that transport food items through various stages of production, including processing, packaging, and storage.
- Essential for hydraulic systems in bottling and canning lines, where the lubricant must meet stringent safety standards due to its proximity to food products.

Performance Level

- IS 8406:1993, IS 12656:1989
- DIN 51524-part 1
- IS 12656 NSF H1

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Typical Performance Data

Properties	Test Method	SYNHYDRA FG AW					
		15	22	32	46	68	100
ISO Viscosity Grade	ASTM D-2422	15	22	32	46	68	100
Viscosity Index	ASTM D-2270	>124	>130	>135	>135	>135	>130
Viscosity @ 40 °C, mm ² /s	ASTM D-445	14-16	20-24	29-35	42-50	62-74	90-110
Viscosity @ 100 °C, mm ² /s	ASTM D-445	3.5	4.6	5.9	7.9	10.1	13.2
Flash Point, °C Minimum	ASTM D-92	210	232	242	265	265	265
Pour Point, °C Max	ASTM D-97	< -68	< -61	< -55	< -55	< -55	< -55
Density @ 15 °C, gm/cc	ASTM D-1298	0.82	0.83	0.83	0.83	0.83	0.83

*All performance data on this Technical Data Sheet are indicative only and may vary during production.

All Ingredients are FDA listed ingredients under 21 CFR 178.3570 and complies the requirement of NSF H1 and meet the USFDA 1998 H1 Guidelines.

These products do not contain genetically modified ingredients, and nut oil or derivatives. The product is non-hazardous.