

TECHNICAL DATA SHEET

KATMOTO HYBRID DHT FLUID

Hybrid Dedicated Transmission Fluid for DHT Systems

Product Name	HYBRID DHT FLUID	Specification	DHT Spec
Product Type	Dedicated Hybrid Transmission Fluid	Performance Level	DHT / e-ATF-type
Series / Category	Hybrid Transmission Fluid	Application	BYD DM-i / Geely Leishen / Chery DHT / GWM Hi4

Product Description

KATMOTO HYBRID DHT FLUID is a dedicated hybrid transmission fluid developed for selected DHT and hybrid e-ATF systems used in modern plug-in hybrid and hybrid vehicles. The balanced low-viscosity formulation supports efficient gear transmission, electric motor compatibility, copper-component protection, clutch control, thermal stability and smooth transition between engine and electric drive modes.

Key Performance Features

Developed for selected dedicated hybrid transmission systems.	Low-viscosity formulation supports transmission efficiency.
Protects gears, bearings, clutches and electric motor components.	Copper-compatible additive system for electrified drive units.
Smooth engine/electric mode transition and clutch control.	Oxidation, foam and corrosion control under high thermal load.

Applications & Performance Level

Applications	Selected DHT and hybrid e-ATF systems in BYD DM-i, Geely Leishen, Chery DHT, GWM Hi4 and similar hybrid transmission architectures where compatible DHT fluid is specified.
Suitable For	DHT-type hybrid transmission applications requiring low-viscosity e-ATF/DHT fluid with electric motor and gear protection performance.
Important Notice	DHT fluid requirements vary by OEM and model. Do not use as a universal ATF, CVTF, DCTF or e-CVT fluid unless compatibility is confirmed by the service manual.

Typical Technical Data - Balanced Formulation Target

Property	Test Method	Target Typical Value
Appearance / Color	Visual	Amber
Density @ 15°C	ASTM D4052	0.838 g/cm³
Kinematic Viscosity @ 40°C	ASTM D445	30.6 mm²/s
Kinematic Viscosity @ 100°C	ASTM D445	6.2 mm²/s
Viscosity Index	ASTM D2270	157
Brookfield Viscosity @ -40°C	ASTM D2983	10,500 mPa·s

Property	Test Method	Target Typical Value
Pour Point	ASTM D97	-51°C
Flash Point, COC	ASTM D92	224°C
Copper Corrosion	ASTM D130	1b
Foaming Tendency / Stability	ASTM D892	0/0 ml

Note: These are balanced formulation target values prepared with reference to market-leading products of similar specification and application. Unless separately stated, listed performance levels are suitability references rather than official OEM approvals. Final production values should be confirmed by official KATMOTO TDS and laboratory test report.