



# ATLANTIC SYNTHECH CHF

Long-Life Synthetic Hydraulic Fluid for Modern Vehicles

## DESCRIPTION

ATLANTIC SYNTHECH CHF "central hydraulic fluid" LONG-LIFE HYDRAULIC OIL is a high-performance synthetic hydraulic fluid designed for long-term use in modern vehicle systems. This oil is specifically formulated for automotive hydraulics that demand the highest technical standards, including applications such as power steering, level control, shock absorbers, hydro-pneumatic suspensions, stability and traction control, hydraulics for convertible roofs, and central locking systems. It performs exceptionally well under extreme conditions, ensuring optimal functionality in temperatures ranging from -40°C to over 130°C.

## APPLICATIONS

ATLANTIC SYNTHECH CHF was developed specifically for use in automotive hydraulics systems that have to meet the highest technical standards and is used in a wide range of components: Power steering (used as the original fluid in VW, BMW, MB and other makes), level control, shock absorbers, hydro-pneumatic springs, stability and traction systems, electric/hydraulic convertible roof controls, central locking systems, etc.

## PERFORMANCE FEATURES AND BENEFITS

- Synthetic base stock blends insure exceptional performance throughout a wide temperature range
- Prevents high temperature thinning and "afternoon fade", even on long hot summer days
- Exceptional functionality in low temperatures, ensuring efficient oil delivery to the system during cold conditions
- Improves pump efficiency & increases productivity by as much as 30% or more over conventional hydraulic oils
- All-temperature formula eliminates seasonal changes
- Suitable for use in temperatures down to -40°C
- Remarkable resistance to oxidation and aging
- Superior protection against corrosion and wear
- Enhanced air separation and foaming properties, ensuring reliable hydraulic system operation even in the most demanding conditions

## RECOMMENDATIONS / SPECIFICATIONS

FORD WSS-M2C204-A, CHRYSLER MS-11655B, MAN M 3289, MB-APPROVAL 345.0, PSA S71 2710, ZF TE-ML 02K (ZF000832), VW TL 52 146 (G 002 000), BENTLEY JNV862564F, BMW 81 22 9 407 758, BMW 82 11 1 468 041, BMW 83 29 0 429 576, FENDT X 902 011 622, OPEL B 040 0070, SAAB 3032 380, PORSCHE 000 043 203 33, VOLVO 1161529

## TYPICAL TECHNICAL PROPERTIES

PRODUCTS CODE:	IL-15-HF-25035
Appearance, Visual	B&C
Color, VISUAL	GREEN
Density at 15°C, g/ml, ASTM D4052	0.825
Kinematic Viscosity at -40°C, mm²/s, ASTM D445	1100
Kinematic Viscosity at 40°C, mm²/s, ASTM D445	18.7
Kinematic Viscosity at 100°C, mm²/s, ASTM D445	6.0
Viscosity Index, ASTM D2270	310
Flash Point(COC), °C, ASTM D92	160
Pour Point, °C, ASTM D97	-57
Autoignition Temperature, °C, DIN 51794	235

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

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\* supersedes all previous versions

**Packing:** 1L, 4L, 5L, 18L, 20L, 25L, 200L, 205L, 208L, 210L