

SYN HDH & SYN TRANS 50



Features & Benefits

- Extreme protection
- Long life – enhanced fluid and equipment durability
- Excellent stability
- Improved fuel efficiency
- Reduces heat
- Non-corrosive to yellow metal
- Non-foaming

Specifications

Meets Requirements Of:	SYN HDH 75W-90	SYN TRANS 50
API MT-1	✓	✓
API GL-4	-	✓
API GL-5	✓	-
MAN 341 SL	-	✓
Mack TO-A Plus	-	✓
Eaton PS-164 Rev. 7	-	✓
Dana SHAES-256 Rev. C	-	✓
Meritor ZF Freedomline	-	✓
ArvinMeritor O-81	-	✓
Volvo STD 97305	-	✓
International TMS-6816	-	✓
Drain-and-fill or top-off limited slip	SFU	-

Suitable for use (SFU) – Supporting data from field trial studies to demonstrate acceptable performance

Typical Results

Test Method	SYN HDH 75W-90	SYN TRANS 50
SAE Grade	75W-90	50
DENSITY @ 15°C (D4052) kg/L	0.86	0.876
VISCOSITY (D445) cSt @ 40 °C	99.8	140.0
cSt @ 100 °C	14.9	17.6
VISCOSITY INDEX (D2270)	156	146
POUR POINT (°C) (D97)	-36	-45
FLASH POINT (°C) (D93)	156	-
FLASH POINT (°C) (D92)	-	235
FOAM SEQUENCE I, II, III (D892)	0/0	Pass

SYN HDH and **SYN TRANS 50** use synthetic base oil for excellent stability, long life, extreme temperature operation, improved fuel economy, reduced wear and cleaner components.

SYN HDH has a complete protection package for the extreme pressure (EP) conditions of differentials, including limited slip, and planetaries working under the heaviest load conditions. It meets the performance requirements of API* GL-5.

SYN HDH is available in a multi-grade to cover the broadest possible temperature ranges. The use of synthetic base rather than mineral oil reduces friction in extreme conditions, increasing fuel economy by making more horsepower available to the driving wheels.

SYN TRANS 50 has wider operating temperature range than the alternatives. At low temperatures, this gives easier shifting with less drag and gear wear and lubricating vital transmission parts quickly. At high temperatures, this oil provides a thicker protective oil film than mineral oil lubricants, reducing friction and wear.

NOTE: SYN TRANS 50 IS NOT APPROVED FOR USE AS ENGINE OIL.

Size & Order Codes

Size	SYN HDH 75W-90	SYN TRANS 50
18.9 L/ 5 US Gal	F0085940	F0086040
60 L/ 15.8 US Gal	F0020045	F0020245
205 L/ 54.2 US Gal	F0073650	N/A

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Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals. Please note, these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to December 2, 2021.

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