

SYN HDH & SYN TRANS 50



Features & Benefits

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

Meets Requirements Of:	SYN HDH 75W-90	SYN TRANS 50
API MT-1	X	X
API GL-5	X	
Mack GO-J Plus	X	
Mack TO-A Plus		X
Eaton Transmission Div., PS-164 Rev. 7 (Not Eaton listed)		X
Eaton Roadranger extended drain (Not Officially Approved by Eaton)		X
ARVIN MERITOR 0-81		X
Navistar TMS 6816		X
Meritor O-81		X
Spicer Transmission extended drain		X
ZF Freedomline		X
ZF TE-ML 02L		X
Dana synchronized and non-synchronized transmissions		X

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. Mack Trucks Inc approves **SYN HDH** for use under its GO-J and GO-J Plus programs and also approves **SYN TRANS 50** under its TO-A Plus program.

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, Rockwell Corporation and Dana Corporation.

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 is specially formulated for extended drain and sever service in manual transmissions in class 6, 7 and 8 trucks where straight mineral oils (non-EP) or SAE 50 diesel engine oil is usually recommended.

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.

Sizes & Order Codes

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

Typical Results

SAE GRADE	SYN HDH 75W-90	SYN TRANS 50
DENSITY @ 15°C (ASTM D4052) kg/L	0.866	0.8400
VISCOSITY (D445) cSt @ 40 °C	99.8	121.5
cSt @ 100 °C	14.9	18.4
VISCOSITY INDEX (D2270)	156	170
POUR POINT (°C) (D97)	-36	-44
FLASH POINT (°C) (D92)	212	223
COPPER CORROSION (D130)	-	1A



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Supporting data available to demonstrate appropriate performance. Check with your Sales Representative for latest product approvals. Please note, these are typical performance indicators and can change without notice. This data sheet supersedes any previous version prior to 5/28/2018.