



ENGINEERING STANDARDS

Material Specification

LIMITED USE
HN2485

Lubricant- Rear Axle Full Synthetic SAE 75W-85 API GL5

Do Not Use on New Programs; No Replacement

1. SCOPE

This material specification describes properties of initial fill synthetic hypoid gear oil that is recommended for use in specific vehicle applications nominated by the responsible design engineer.

Note: HN 2485 is also known as GM Holden Part Number 92184900.

2. REFERENCES

HN 1000
ASTM D92
GMW3059

ASTM D1298
ASTM D97

ASTM D445
ASTM D892

ASTM D2270
ASTM D2983

3. TYPICAL PROPERTIES

Density at 15°C (kg/m ³)	862	ASTM D1298
Viscosity at 40°C (mm ² /s)	60.6	ASTM D445
Viscosity at 100°C (mm ² /s)	11.5	ASTM D445
Viscosity Index	188	ASTM D2270
Brookfield Viscosity at -40°C (mPa.s)	80,400	ASTM D2983
Pour Point (°C)	-57	ASTM D97
Flash Point (°C)	222	ASTM D92
Foam seq. I/II/III (ml)	0/5/0	ASTM D892

4. APPROVAL, INSPECTION AND REJECTION

Refer HN 1000, Clauses A and C.

5. HAZARDOUS MATERIALS

Refer HN 1000, Clause H.

6. RESTRICTED AND REPORTABLE SUBSTANCES

- (i) All substances and parts must meet the requirements of GMW3059.
- (ii) All chemical components present in materials supplied to this specification must comply with Australian NICNAS (National Industrial Chemicals Notification and Assessment Scheme) obligations.

7. APPROVED SUPPLIERS AND MATERIALS

Material known to meet the full requirements of this specification:

APPROVED SUPPLIER	APPROVED MATERIAL
Castrol	Castrol SAF Carbon Mod.

8 Release and Revisions

This standard was originated in September 2005. It was first published in September 2006.

Issue	Publication Date	Description (Organization)
1	SEP 2006	Initial publication.
2	NOV 2006	- Section "1.SCOPE" - added that HN 2485 is also known as GM Holden Part Number 92184900
3	FEB 2007	-Section "3 TYPICAL PROPERTIES" - Revised the values listed for "Density at 15°C", "Viscosity at 40°C", "Viscosity at 100°C", "Viscosity Index", "Brookfield Viscosity at -40°C", "Flash Point", and "Foam seq/II/III". -Section "7 APPROVED SUPPLIERS AND MATERIALS" - Approved material replaced with Castrol SAF Carbon Mod Plus
4	JUN 2007	-Section "3 TYPICAL PROPERTIES" - Revised the values listed for "Density at 15°C", "Viscosity at 40°C", "Viscosity at 100°C", "Viscosity Index", "Brookfield Viscosity at -40°C", "Flash Point", and "Foam seq/II/III". -Section "7 APPROVED SUPPLIERS AND MATERIALS" - Approved material replaced with Castrol SAF Carbon Mod
5	FEB 2016	Limited for Current Use. (Materials)