



Product Information

SIN RACE GEAR 110

Codes: SINRG020

Issue: January 2010

The ultimate premium performance mineral gear oil with synthetic-like heat resistance formulated with a special, highly effective extreme pressure additive system. Provides outstanding protection against heat and reduces friction. SIN Race Gear 110 meets API GL-5 and SAE 85W-110.

APPLICATIONS

SIN Race Gear 110 is designed for use in **Race Gearboxes** as well as differentials. It may be used in all type of vehicles used in competition or on road. In particular, it can be used to replace SAE 140 gear oils in differentials. The enhanced load carrying capacity of SIN Race Gear 110, means that running temperatures may be lowered due to the lower oil viscosity and friction reducing properties of the specialised EP system.

Can replace SAE 80W-90 or SAE 90 oils where a thicker oil film is required for long distances or where severe shock loads may be encountered.

SIN Race Gear 110 may also be used truck and bus differentials and gearboxes (not Spicer) where the synthetic-like properties can extend oil drain intervals. It will also provide enhanced protection for trucks and buses operating in hot environments where SAE 80W-90 oils are considered too thin.

Although an automotive oil, SIN Race Gear 110 can be used in industrial gearboxes where an API GL-3 ISO 320 or ISO 460 oil is specified and in worm gears. It will provide longer gear set life in these applications.

Use with caution if there is likely to be water contamination in the gearbox or differential as the additive system is water soluble and seal degradation may result.

CUSTOMER BENEFITS

- Will out perform synthetic oils
- Able to lower operating temperatures
- Extreme load carrying capacity
- Race proven
- Will not harm bronze or brass
- Can replace both SAE 90 and SAE 140 oils
- Long drain intervals
- Reduces friction

INDUSTRY SPECIFICATIONS

Penrite SIN Race Gear 110 meets the performance requirements of:

API GL-5
AGMA 250.04 (No 6)
Hollinger

US Steel 224
David Brown
Harley Trans Oil 99892-94

Typical Properties

Density at 15°C, kg/L	0.920
ISO Grade	320
Viscosity, Kinematic, cSt	
at 40°C	306
at 100°C	23.8
Viscosity Index	98
Timken OK Load, kg	32
Copper Corrosion Test	1b
Phosphorus, mass %	0.046

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Environment, Health and Safety
Information is available by request on this product in the Penrite Material Safety Data Sheet. Information in this sheet is based on the most current information available. Minor variations to typical properties not affecting the performance of the product are to be expected in normal manufacture.
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