



MONO TRUCK

Penrite Mono Truck oils are monograde diesel engine oils formulated from modern additives to ensure protection against wear, corrosion, oil oxidation and sludge. Penrite Mono Truck SAE 40 and SAE 50 meet the requirements of API CF-2 and the low ash requirements of Detroit Diesel.

APPLICATION

Penrite Mono Truck oils are designed for use in all engines that require a monograde oil, including pre 1983 Japanese engines (Mono Truck SAE 30) and Detroit Diesel Two Stroke engines. It is also suitable for many older design small diesel engines used in fishing boats and trawlers, and in stationary engines. It may be used in the following engines:

Gardner-Denver	Daihatsu	Delta
Belarus	Allis Chalmers	Yanmar
Detroit Diesel*	Dorman	Fiat
Ford	Hino	Iseki
Honda	International	Isuzu
John Deere	Kawasaki	Shibauru
Kohler	Kubota	Leyland
Lister Petter	Lombardini	Komatsu
Nissan	Onan	Perkins
Ruston	Waukesha	

The **SAE 30** grade may be used in Komatsu powershift transmissions and Allison transmissions requiring C3 oils. The **SAE 40** grade is primarily designed for use in Detroit Diesel Two Stroke engines. The **SAE 50** grade is recommended in higher ambient conditions and may also be used in manual transmissions requiring API GL1 90 or API

CC/CD 50 engine oils. It is the only viscosity grade that should be used in Detroit Series 149 engines.

Note: When using these oils with fuels containing sulphur levels of 1.0% or more, the oil drain should be reduced to ensure proper engine protection.

CUSTOMER BENEFITS

- Balanced additives and low ash formulation minimises engine and combustion chamber deposits.
- Detergent and dispersant package prolongs engine life by maintaining engine cleanliness.
- The SAE 40 and SAE 50 can assist in reducing oil consumption in older engines requiring monograde oils.
- Meets the 0.8% ash requirements for Detroit Series 149 engines.

INDUSTRY SPECIFICATIONS

API CF-2/CF/SF	ACEA E1 (SAE 30)
API CF-2/CF/SG (SAE 30)	
MIL-L-2104F (SAE 30, 40)	Mack EO-K/2 (SAE 30, 40)
Mercedes Benz 227.0	Detroit 7SE-270
Caterpillar TO-2	Allison C3 (SAE 30)
Mercedes Benz 228.0 (SAE 30)	

Typical Properties

Grade	MONO 30	MONO 40	MONO 50
Density at 15°C, kg/L	0.894	0.896	0.899
Viscosity, Kinematic, cSt			
at 40°C	104	131	205
at 100°C	12.1	14.6	19.1
Viscosity Index	107	112	105
Sulphated Ash, mass %	0.88	0.88	0.88
Base Number, mg KOH/g	7.2	7.2	7.2
Zinc, mass %	0.098	0.098	0.098
Phosphorus, mass %	0.088	0.088	0.088

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.