

## DURA-TORQUE MONO SAE 40 API SF/CF/CF-2

**High performance, HYDRO-SYN™ mono-grade engine oil for small capacity petrol and naturally aspirated and turbocharged diesel engines. Also suitable for applications in hydraulic and powershift transmissions.**

### Description

DURA-TORQUE MONO SAE 40 is an advanced engine oil meeting low ash requirements of Detroit Diesel two stroke diesel engines providing efficiency in fuel use.

DURA-TORQUE MONO SAE 40 provides benefits for petrol, naturally aspirated and turbocharged diesel engines in component durability, stay-in-grade viscosity with proven reduced oil consumption.

DURA-TORQUE MONO SAE 40 provides oil chemistry stability in intercooled, turbocharged engines operating under severe on and off highway conditions.

### Application

DURA-TORQUE MONO SAE 40 meets ACEA E1 and earlier where specified. It is primarily formulated for use in Detroit Diesel 53, 71 and 92 Series Two Stroke engines including earlier JASO designated diesel engines, large stationary engines - marine engines, power generation; small mobile and stationary engines – river pumps, household generators, lawn mowers and other gardening equipment using 4 stroke petrol engines. Dura-Torque Mono 40 can be used in hydraulic and powershift transmissions from Komatsu and Allison where a C3 transmission oil is specified.

***DURA-TORQUE MONO SAE 40 is not suitable for late model automotive applications using Catalytic Converters or Diesel Particulate Filters (DPF).***

### Benefits

- Low temperature pumpability viscosity promotes full lubrication at start-up
- Wear protection of all engine, transmission and hydraulic pump components
- Stay-in-grade viscosity protection
- High temperature protection of critical bearings and shafts in turbochargers
- Eliminates engine sludge and maintains valve-train and piston cleanliness
- Low ash formulation minimises engine and combustion chamber deposits
- Reduced oil consumption
- Suitable for transmissions in agricultural and off-highway equipment

### Specifications:

API: SG/CF/CF-2

ACEA: E1

ALLISON C3

CATERPILLAR: TO-2

DETROIT: 7SE-270

MACK: EO-K/2

Mercedes Benz: 227.00/228.00

### Backward compatibility:

MIL-L-2104F

MIL-L-46152E

TEST DESCRIPTION	ASTM	TEST RESULT
Description	Visual	Clear/Amber
SAE Viscosity Grade		40
Viscosity, cSt @ 40°C	D-445	114.03
Viscosity, cSt @ 100°C	D-445	13.05
Viscosity Index	D-2270	110
Density @ 15°C, kg/L	D-4052	0.878
Total Base Number, (TBN), mg KOH/g	D-2896	11.3
HTHS @ 150°C, cPa	D-4683	3.91
Cold Crank Viscosity, mPa.s @ -20°C	D-5293	13,659
Pour Point, °C	D-5950	-29
Flash Point (COC), °C	D-92	242
NOACK Volatility, Evaporative Loss @ 250°C	D-5800	4.35%
Sulphated Ash, mass wt%	D-874	1.1
<b>PRODUCT CODE</b>		<b>88802</b>

*Typical formulation specifications at time of production, minor variations may occur.*

88802v20 DG/GS 3/20