

LSA ENGINE UNIVERSAL 15W40 LSA ENGINE UNIVERSAL 15W50

All season, high performance engine oils using synthetic technology, to provide superior protection for naturally aspirated and turbo-charged petrol, diesel and gas engines.

Designed for use as general purpose workshop oils, including light to heavy commercial diesel engines, dependent on grade choice.

Meets the following performance requirements:

SAE	15W40	15W50
API SL/CI-4	✓	
API SL/CF		✓
ACEA A3/B4	✓	
ACEA E3/E5/E7	✓	
ACEA A3/B3/B4		✓
Ford M2C.153E	✓	✓
Holden HN2314	✓	✓
JASO MA		✓
MERCEDES-BENZ 229.1	✓	✓
MERCEDES-BENZ 228.3	✓	
Military MIL-L-2104E		✓
Military MIL-L-46152 B		✓
Military MIL-L-46152 C/D	✓	
VW 505.00	✓	✓
Allison C4	✓	
CAT TO-2 (Obsolete)	✓	✓
CAT ECF-1-a, ECF-2	✓	
Cummins CES 20078	✓	
MAN M3275-1	✓	
Mack EO-N	✓	
MTU Category 2	✓	
Renault RLD-2	✓	
Volvo VDS-3	✓	

APPLICATION

Miscible with all mineral oil and synthetic oil, therefore no flushing required.

ADVANTAGES

- ✓ Rationalisation of oil grades for normally aspirated and turbo-charged gasoline and diesel engines.
- ✓ Provide excellent viscometrics: remains in grade in severe operating conditions.
- ✓ Maintain engine cleanliness.
- ✓ Suitable for vehicles using petrol, diesel and LPG fuels.
- ✓ Suitable for vehicles operating in dusty and sandy conditions, plus stop-start driving.
- ✓ High thermal stability minimizes engine deposits.

TYPICAL CHARACTERISTICS

Properties	Unit	Value	Value
SAE Grade		15W40	15W50
Viscosity @ 40°C	cSt	107	150
Viscosity @ 100°C	cSt	14.5	19
Viscosity Index		139	149
Flash Point °C		220	215
Density @ 15°C	g/ml	0.89	0.87
TBN	mgKOH/g	9	7.5

Pack Sizes	15W40	15W50
1000 litre	✓	✓
205 litre	✓	✓
20 litre	✓	✓
5 litre		✓
1 litre		✓