



DESCRIPTION

Castrol Running-In Oil 1 and 2 are mineral based multigrade crankcase lubricants designed to facilitate running-in of new and reconditioned diesel and petrol engines.

APPLICATION

Castrol Running-In Oil 1 is intended as a test bed oil for reconditioned engines or a "glaze buster" for units displaying symptoms of severely arrested running-in. Because of the specialised nature of Running-In Oil 1 it should not be used indiscriminately. Please consult Castrol for recommendations as to its application. Castrol Running-In Oil 2 is an initial fill oil for reconditioned engines and a second fill oil for new engines. Running-In Oil 2 should be used as follows:-

NEW UNITS

Naturally-aspirated engines	Change initial fill at 1000 miles (or point recommended by engine manufacturer) for Running-In Oil 2 where it can remain for up to 6,000 miles before changing to service oil.
Turbocharged engines	As for naturally aspirated diesel engines, but change to service oil after 2,000 miles max.

RECONDITIONED UNITS

Naturally aspirated engines	Initial fill with Running-In Oil 2, change at 1,000 miles (again for Running-In Oil 2) and change to service oil after a further 6,000 miles.
Turbocharged engines	Initial fill with Running-In Oil 2, change at 1,000 miles (again for Running-In Oil 2) and change to service oil after 2,000 miles max.



NOTE: Service oil should be used for top up in all cases.

The purpose of Running-In Oil is to give controlled initial wear of new components, to increase the actual contact area of bearing surfaces and generate optimum bearing relationships. This minimises subsequent wear and frictional losses. Running-In occurs in two stages

Stage 1 - Removal of surface roughness

Stage 2 - Correction of surface errors due to waviness or mis-shape

<u>TYPICAL CHARACTERISTICS</u>	<u>No1</u>	<u>No2</u>
SAE viscosity	10W-30	20W-30
Density at 20°C	0.875	0.885
Viscosity at 40°C, mm ² /s	66.6	82.5
Viscosity at 100°C, mm ² /s	9.9	10.0
VI	132	101
Flash Point (closed) °C	210	214
Pour Point °C	-27	-30
TBN	2.4	4.4

Health and Safety information sheets are available for all Castrol products from the address below.
Castrol International, Pipers Way, Swindon, Wiltshire SN3 1RE, England, Telephone: Orders/Enquiries
(08459) 123011, Technical Enquiries (01793)452222, Fax (01793)453750

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