



### LEVELS OF QUALITY

The lubricants of the SERIES HD S3 comply with the following international specifications:

- ACEA E2
- API CF-4/CF

### DESCRIPTION

**DUGLAS HD S3** are mono-grade, seasonal oils of multifunctional type formulated for naturally aspired or supercharged diesel engines of lorries and earthmoving machines even in heavy duty applications. Its specific formulation, a high detergent power and excellent anti-wear properties provide the maximum protection for the engine both at cold starts and at high temperatures, ensuring always the right viscosity even during long operating hours.

**DUGLAS HD S3** offers a high detergent and dispersant power, an excellent resistance to corrosion and oxidation and a high antifoam power.

The following benefits can be obtained, if you use this product:

- a higher engine cleaning,
- a better protection against piston ring sticking,
- a reduced bore polishing (exhaust pipe polishing),
- more protection against wear.

It is recommended to observe always the oil change interval as suggested by the car manufacturer.

### TYPICAL FEATURES\*

SAE Scale	30	40	50
Density at 15°C.Kg./dm <sup>3</sup> ASTM D1298	0.870	0.880	0.885
Viscosity at 100°C.cSt ASTM D445	11.0	13.80	16.9
Viscosity Index ASTM D2270	155	125	125
Flammability V.A. °C ASTM D92	210	220	225
Pour Point °C ASTM D97	-21	-18	-15
TBN mgKOH/g ASTM D 2896	7.5	7.5	7.5

\*The above mentioned values are indicative of production average values and are not an integral part of the specification.

RAM.OIL S.p.A.

Stabilimento: Via Filichito, 28 - 80013 Casalnuovo (NA) - tel +39 081.51.95.111

Uffici: Via Enrico Mattei, 37 - 80013 Casalnuovo (NA) - tel +39 081.31.70.911

P.IVA 00291350635 - Capitale Sociale € 12.000.000,00 int. vers.

info@ramoil.it - www.ramoil.it