



LEVELS OF QUALITY

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

- ACEA E2
- API CF-4, CF

DESCRIPTION

Italub 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, always ensuring the right viscosity even during long operating hours.

Italub 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 ³ 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.