

SANEG DRIVELINE TO-4 30

SANEG Driveline TO-4 30 is a high-performance multifunctional oil for the transmissions of quarry and construction site vehicles operating in difficult conditions. Designed to optimize the performance of powershift transmissions, hydraulic systems, reduction gears and final drives, it is formulated with selected base oils and an advanced additive package to ensure a high level of performance and broad coverage of the specifications of the major off-road vehicle manufacturers, especially the rigorous requirements of the Caterpillar TO-4 specification. The Caterpillar TO-4 specification supersedes and replaces the Caterpillar TO-2 requirements: TO-4 offers longer clutch life and better control of gear wear in the SAE 30 grade for transmissions compared to the previous TO-2 fluid.

APPLICATIONS

Severe duty transmissions, gearboxes, final drives and hydraulic systems of off-highway construction, quarrying and agricultural vehicles requiring TO-4 SAE 30 oils

PERFORMANCE

Longer clutch life and maximum slip control
 Excellent thermal and oxidation stability
 High-pressure hydraulic pump and gear wear protection for extended life of transmissions, hydraulic systems, gearboxes and final drives
 Compatibility with clutch materials and elastomers
 Versatile application in a wide range of hydraulic systems and transmissions, reducing the number of fluids required for fleet management

SPECIFICATIONS

Allison C-4
 Caterpillar TO-4
 Komatsu KES 07.868.1

Property	Method	SANEG DRIVELINE TO-4 30
Kinematic Viscosity @40°C, mm ² /s	ASTM D445	93,50
Kinematic Viscosity @ 100°C, mm ² /s	ASTM D445	10,70
Viscosity Index	ASTM D2270	96
Flash Point (COC), °C	ASTM D92	244
Pour Point, °C	ASTM D97	-33
Density @ 15°C, kg/l	ASTM D1298	0,894

Product information is contained in the relevant safety data sheet (SDS). This sheet provides guidance on potential hazards, precautions and first aid measures, together with environmental effects and disposal of used products. SDSs are available upon request from the sales office. This product must not be used for any purpose other than its intended use. Edition 01/2025