



DESCRIPTION

Lubricants formulated with selected bases and additives developed specifically for oleodynamic circuits and transmissions with clutches and brakes running in a Caterpillar oil bath.

Can be used even on diggers of other manufacturers that call for Caterpillar TO-4.

PROPERTIES

The **MULTIRANGE SAE 10-30-50** fluid series contains detergent-dispersion additivation to keep the oleodynamic components clean even in the presence of polluting agents such as water and dust.

These lubricants are also additivated with anti-wear agents and special friction modifiers developed for hydrostatic transmissions and clutches/brakes running in an oil bath.

The presence of strong anti-oxidation properties allows to maintain the lubricant's conditions stable, even in the presence of great thermal and mechanical strain, allowing for long relubrication intervals.

APPLICATIONS

An **SAE 10W** lubricant finds application in oleodynamic circuits, while **SAE 30W** and **SAE 50W** lubricants are used in power takeoffs, manual transmissions, final drive units, brakes running in an oil bath, off-road machinery requiring a CAT TO-4 or Allison C-4 fluid, and in Komatsu equipment.

LEVELS AND CERTIFICATIONS

CAT TO-4, Allison C-4, Komatsu equipment, Komatsu micro clutch, Dana power shift, Eaton Fuller and Vickers M-2950-S.

TECHNICAL CHARACTERISTIC

CHARACTERISTIC	UNIT	SAE 10W	SAE 30W	SAE 50W	Method
Density at 15°C	Kg/l	approx.0.890	approx.0.890	approx.0.890	ASTM D1298
Viscosity at 100 °C	cSt	6-7	11-13	16.5-18	ASTM D445
Viscosity at 40°C	cSt	35-45	90-110	115-130	ASTM D445
Viscosity Index		100-115	110-120	135-150	ASTM D2270

(The values shown above refer to normal industrial production and do not constitute technical specification.)

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