

# DINARA OIL®

*Vaš kod za ulja i maziva*

## TECHNICAL INFORMATIONS ABOUT THE PRODUCT FLUIDS FOR HYDRODYNAMIC TRANSMISSIONS

### CAT FLUID TO-4 SAE 10W, SAE 30, SAE 50

CAT FLUID TO-4 SAE 10W, SAE 30, SAE 50 are a special oils for hydrodynamic gears, hydraulic reducers, regulator fittings and torque converters of heavy mining, construction and other machines which request oil that meets Allison C-4 and Caterpillar TO-4 specifications.

They provide better wear protection compared to Allison C-3 and Caterpillar TO-2 quality grade fluids.

**QUALITY LEVEL: CATERPILLAR TO-4, ALISON C-4, API CF/CF-2, KOMATSU KES 07.868.1, ZF TE-ML 1 ,ZF TE-ML 03 C; ZF TE-ML 07F, Eaton Vickers 35 VQ-25**

### PHYSICAL - CHEMICAL CHARACTERISTICS

Characteristics	Units	Typical values			Test methods
		SAE 10W	SAE 30	SAE 50	
Density on 15 °C	g/cm <sup>3</sup>	0,87	0,88	0,90	SRPS EN ISO 3675
Kinetic viscosity at 100 °C	mm <sup>2</sup> /s	5,7-7,0	9,5-11,5	18-20	SRPS ISO 3104
Viscosity index	-	140	125	110	SRPS ISO 2909
Point of ignition, COC	°C	200	220	240	SRPS ISO 2592
Pour point	°C	-39	-25	-18	SRPS ISO 3016
Total base number (TBN)	mgKOH/g	min 7	min 7	min 7	SRPS ISO 3771

### PURPOSE

CAT FLUID TO-4 SAE 10W, SAE 30, SAE 50 are recommended for transmission system, rear-wheel drive and wet breaks of the Caterpillar heavy cargo vehicles and equipment where the use of TO-4, API CD/TO-2 performance level lubricant is recommended (it is not recommended for engines). These oils are particularly suitable for hydraulic system on equipment for hard working conditions Caterpillar and Allison.

### STORAGE

CAT FLUID TO-4 SAE 10W, SAE 30, SAE 50 - should be stored in their original packaging protected from the direct influence of the atmosphere.

### PACKAGING

1 L	5 L	10 L	20 L	200 L	1000 L
		x	x	x	x