

# LUBRAX UTILE OT

Paraffinic oil for heat transfer in indirect heating circulation systems. Available in ISO grades 32, 46, 68 and 100.

**LUBRAX UTILE OT** has additives which avoid corrosion and increase oxidation resistance, decreasing thermal cracking effects.

**LUBRAX UTILE OT** is neither corrosive nor toxic

**LUBRAX UTILE OT** is specially recommended for open systems with operating temperatures from 180°C to 200°C. In inert gas sealed closed systems, oil presents good performance at temperatures up to 300°C, without alteration of its physico-chemical characteristics, provided adequate conditions for oil heating and circulation are observed. Under these circumstances, the oil life span is shorter.

The name **LUBRAX UTILE OT** is the new denomination of former **LUBRAX INDUSTRIAL OT-...-OF**.

Additives - Corrosion inhibitor, antirust and antioxidant

## TYPICAL ANALYSIS<sup>(1)</sup>

ISO GRADES		32	46	68	100
Specific Gravity at 20/4°C		0.873	0.879	0.884	0.885
Flash Point (COC)	(°C)	228	248	254	274
Flash Point (PM Closed Cup)	(°C)	206	222	224	226
Fire Point	(°C)	258	278	284	304
Self-Ignition Temperature	(°C)	356	380	366	392
Viscosity at 40°C	(cSt)	32.5	47.3	68.0	103.8
Viscosity at 100°C	(cSt)	5.50	6.80	8.73	11.45
Viscosity at 150°C	(cSt)	2.44	2.83	3.45	4.25
Viscosity at 315°C	(cSt)	0.64	0.70	0.80	0.92
Viscosity Index		105	97	100	97
Distillation, 1 atm					
10%	(°C)	377	389	419	433
50%	(°C)	418	436	456	492
90%	(°C)	452	461	497	529
Thermal Expansion Coefficient		0.0007	0.0007	0.0007	0.0007
Thermal Conductivity	(kcal/h.m.°C)				
20°C		0.1132	0.1132	0.1125	0.1125
150°C		0.1050	0.1050	0.1043	0.1043
315°C		0.0950	0.0950	0.0939	0.0939
Specific Heat	(kcal/kg.°C)				
20°C		0.46	0.46	0.45	0.45
150°C		0.59	0.59	0.58	0.58
315°C		0.75	0.75	0.75	0.75

(1) The above results are typical of those obtained with normal production tolerances, and do not constitute a specification.

Março/04



There is no need for extra additives. Dispose of used oils and packaging according to local regulations. Preserving the environment is everyone's responsibility.