

# INTERLUBE IL-TO-4 50W

## SYNTHETIC TRANSMISSION LUBRICANT

IL-TO-4 50W

### DESCRIPTION :

IL-TO4 is a fully synthetic transmission lubricant formulated for use in most severe environments or applications. Our IL-TO4 lubricant is designed with very high quality additives to be efficient paired with base oils synthetic ester. This product also respects the environment because it meets the OECD301B standards in terms of relates to the biodegradability of a lubricant and has extremely low toxicity. Our IL-TO4 lubricant is suitable for use in applications requiring the TO4 standards as well as the old obsolete TO2 standards. You will find on the 2nd page the full list of manufacturer approvals (OEM)

### PROPERTIES :

INTERLUBE IL-TO-4 50W Product code T0-4	TESTE	EPIC TO-4			EXIGENCES		
		SAE 10W	SAE 30W	SAE 50W	SAE 10W	SAE 30W	SAE 50W
		IL-TO4-10W	IL-TO4-30	IL-TO4-50W			
Kinematic Viscosity @ 100C, cSt	ASTM D-445	6.6	10	18.1	4.1 Min	9.3-12.5	16.3-21.9
Kinematic Viscosity @ 40C, cSt	ASTM D-445	39.3	76.5	192.6			
Viscosity Index (VI)	ASTM D-2270		145				
Mini rotational viscometer, cP (30,000 max)	ASTM D-4684	4200	4200	6000		30,000 max	
Temperature test, (°C)		-25	-15	-5	-25	-15	-5
Brookfield Viscosity, cP (15,000 max)	ASTM D2983	17,900	16,900	25,700		150,000 max	
Temperature test, (°C)		-35	-25	-15	-35	-25	-15
High temperature / high Shear Viscosity @ 150 C, cP	ASTM D4683	2.2	3.2	5.1	2.1	2.9	4.5
Limits: minimum		2.1	2.9	4.5	2.1	2.9	4.5
Fluid compatibility	Caterpillar	PASS	PASS	PASS	PASS	No sediment or precipitation	
Breaking point, °C min	ASTM D92	PASS	PASS	PASS	160 C	160 C	160 C
Fire point, °C min	ASTM D92	PASS	PASS	PASS	175 C	175 C	175 C
Pour point, °C(°F) min	ASTM D97	-40(-40)	-47 (-52)	-35 (-31)			
Sequences, foaming I, II, III 25/0, 50-0, 25/0	ASTM D892	PASS	PASS	PASS			NO RUST
Rust test	ASTM D665A	NO RUST	NO RUST	NO RUST	NO RUST	NO RUST	NO RUST
	ASTM D665B	NO RUST	NO RUST	NO RUST	NO RUST	NO RUST	NO RUST
Copper Corrosion	ASTM D130	1a	1a	1a	1a	1a	1a
Gear Wear	ASTM D4172B	0.22	0.22	0.22	< 0.5 mm	< 0.5 mm	< 0.5 mm
Biodégradabilité, réussite (signifiant > 60%) , %	OECD 301B	PASS >60	PASS >60	PASS >60			

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Classified as Environmentally Acceptable Lubricant (EAL's) according to EPA's document which defines the standards for Environmentally Acceptable Lubricants (EPA 800-R-11-002) and as required by EPA's 2013 U.S. Vessel General Permit (VGP).

Can be used where the following specifications are required:

- Caterpillar TO-4
- Caterpillar TO-4M
- Caterpillar TO-2
- Komatsu KES 07.868.1
- Sperry Vickers Eaton M29505 as well as 1-290-S
- Allison C-4

You can consult the Material Safety Data Sheet (SDS) for all emergencies, for handling of the product and how to dispose of it.