

# MULTEMP PS No. 2

## Typical analyses

Usage temperature range  $-50^{\circ}\text{C} \leftrightarrow 130^{\circ}\text{C}$

Test item		Test method	No.1	No. 2	No. 3
Thickener		—————	lithium	lithium	lithium
Base oil		—————	diester oil +mineral oil	diester oil +mineral oil	diester oil +mineral oil
Base oil kinematic viscosity (40°C) $\text{mm}^2/\text{s}$		ASTM D 445	15.3	15.3	15.3
Appearance		—————	peach white, buttery	peach white, buttery	peach white, buttery
Worked penetration		ASTM D 217	320	275	230
Dropping point $^{\circ}\text{C}$		ASTM D 566	185	190	190
Copper strip corrosion (100°C,24h)		ASTM D 4048	pass	pass	pass
Evaporation loss (99°C,22h) $\text{mass}\%$		ASTM D 972	0.64	0.60	0.58
Oil separation (100°C,24h) $\text{mass}\%$		FTMS 791C-321 Mod.	6.4	3.6	1.9
Oxidation stability (99°C,100h) $\text{kPa}$		ASTM D 942	5	5	5
Foreign Particles  particles/cm <sup>3</sup>	10 $\mu\text{m}$ or larger	FTMS 791C-3005 Mod	400	400	400
	25 $\mu\text{m}$ or larger		100	100	100
	75 $\mu\text{m}$ or larger		0	0	0
	125 $\mu\text{m}$ or larger		0	0	0
Working stability		FTMS 791C-313	370	350	320
Water washout (38°C,1h) $\text{mass}\%$		ASTM D 1264	6.3	3.0	1.4
Low-temperature torque N·cm	(-40°C) Starting torque	ASTM D 1478-63	6.4	6.9	8.8
	Running torque		1.4	1.5	2.0
Corrosion preventive properties (52°C,48h)		ASTM D 1743-73	# 1	# 1	# 1

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