(0056) Table 2

			Inventive Examples						Comparative Examples	
			1	2	3	4	5	6	1	2
base oil	ester compound		I	I	II	III	IV	V	I	I
	(mass parts)		100	100	100	100	100	100	100	100
Additives (mass parts)	Wear prevention agent	(B) mono·dihexyl phosphate·C11-14 branched alkyl amine salt	0.5	0	0.3	0	0.5	0.5	0	0
		(B) Branched butyl phosphate·C11 to C14 branched alkyl amine salt	0	0.5	0	1.0	0	0	0	0
		tridecyl acid phosphate·trioctylamine salt	0	0	0	0	0	0	0	0.5
	Rust-prevention agent	(C) Monoester of dodecenyl succinic acid and 1,2-propanediol	0.15	0.15	0.15	0.10	0.15	0.15	0.15	0.15
		Dodecenyl succinic acid alkylimide	0	0	0	0	0	0	0	0
		N-oleoyl sarcosine	0	0	0	0	0	0	0	0
		N-β-hydroxyethyl oleyl imidazoline	0	0	0	0	0	0	0	0
	Oxidation prevention agent	dibutyl hydroxytoluene (BHT)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Metal deactivator	Benzotriazole derivative	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Performance	Biodegradability test		◎	◎	◎	◎	○	◎	◎	◎
	Oxidation stability (RPVOT) (min.)		247	251	218	350	265	218	240	235
	Wear resistance (Wear scar diameter) (μm)		311	359	362	298	305	415	688	574
	Rust-prevention performance (Artificial sea water: Presence or absence of rust after 2 weeks)		None	None	None	None	None	None	None	None

(0057) Table 3

			Comparative Examples							
			3	4	5	6	7	8	9	10
base oil	ester compound		II	II	II	III	III	III	IV	VI
	(mass parts)		100	100	100	100	100	100	100	100
Additives (mass parts)	Wear prevention agent	(B) mono・dihexyl phosphate・C11-14 branched alkyl amine salt	0	0	0	0	0	0	0	0.5
		(B) Branched butyl phosphate・C11 to C14 branched alkyl amine salt	0.5	0.5	0.5	0	5.0	1.0	5.0	0
		tridecyl acid phosphate・trioctylamine salt	0	0	0	1.0	0	0	0	0
	Rust-prevention agent	(C) Monoester of dodecenyl succinic acid and 1,2-propanediol	0	0	0	0	0.15	3.0	3.0	0.15
		Monoester of dodecenylsuccinic acid and lauric acid	0.15	0	0	0	0	0	0	0
		Dodecenyl succinic acid alkylimide	0	0.15	0	0	0	0	0	0
		N-oleoyl sarcosine	0	0	0.15	0	0	0	0	0
		N-β-hydroxyethyl oleyl imidazoline	0	0	0	0.15	0	0	0	0
	Oxidation prevention agent	dibutyl hydroxytoluene (BHT)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Metal deactivator	Benzotriazole derivative	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Performance	Biodegradability test		◎	◎	◎	◎	○	○	×	◎
	Oxidation stability (RPVOT) (min.)		222	256	245	232	110	248	249	38
	Wear resistance: (Wear scar diameter) (μm)		370	361	353	692	315	510	545	298
	Rust-prevention performance (Artificial sea water: Presence or absence of rust after 2 weeks)		Present	Present	Present	Present	Absent	Absent	Absent	Present

(0062) Table 4

			Inventive Examples		
			7	8	9
base oil	ester compound		I	I	I
	(mass parts)		100	100	100
Additives (mass parts)	Wear prevention agent	(B) mono・dihexyl phosphate・C11-14 branched alkyl amine salt	0.5	0.5	0.5
		(B) Branched butyl phosphate・C11 to C14 branched alkyl amine salt	0	0	0
		tridecyl acid phosphate・trioctylamine salt	0	0	0
	Rust-prevention agent	(C) Monoester of dodecenyl succinic acid and 1,2-propanediol	0.15	0.15	0.15
		Dodecenyl succinic acid alkylimide	0	0	0
		N-oleoyl sarcosine	0	0	0
		N-β-hydroxyethyl oleyl imidazoline	0	0	0
	Oxidation prevention agent	pentaerythritol tetrakis [3-(3,5-di-tert-butyl-4-hydroxypheny)-propionate])	0.5	0.5	0.5
		(4, 4'-bis(α,α-dimethyl benzyl) diphenylamine・4, 4'-dicumyl diphenyl amine	0	1	0
		polymerized product of 2, 2, 4-trimethyl-1,2-dihydroquinoline	0	0	1
	Metal deactivator	Benzotriazole derivative	0.05	0.05	0.05
Performance	Oxidation stability (RPVOT) (min.)		◎	◎	◎
	Oxidation stability (RPVOT) (min.)		252	1140	995
	Wear resistance: (Wear scar diameter) (μm)		308	325	318
	Rust-prevention performance (Artificial sea water: Presence or absence of rust after 2 weeks)		Present	Present	Present