

Typical Characteristics

	777-1 ES	777-2 ES
NLGI Grade	1	2
Worked Penetration, ASTM D217, mm/10	310-340	265-295
Thickener Type	Lithium	Lithium
Dropping Point ASTM D2265, °C/°F	193/380	204/400
Base Fluid Properties		
Viscosity, D445, D2161:		
@ 40°C, cSt	951	951
@ 100°C, cSt	85.5	85.5
@ 100°F, cSt/SUS	1072/4966	1072/4966
@ 210°F, cSt/SUS	88/411	88/411
Flash Point, ASTM D92, °C/°F, COC	260/500	260/500
Water Washout, ASTM D 1264:		
@ 79°C/175 °F, % loss	5.0	4.5
Rust Prevention Properties, ASTM D 1743, rating	Pass	Pass
Emcor Rust Test, ASTM D6138, IP 220/85, Rating	0/0 (Pass)	0/0 (Pass)
Worked Penetration, ASTM D217, 100K strokes, mm/10	314	287
% change from 60 strokes	6	8
Roll Stability, ASTM D 1831, points change	10	5
Wheel Bearing Performance, ASTM D1263:		
Leakage, grams	1	0
Deposits	0	0
Timken EP Test, ASTM D2509, OK Value, kg/lbs	27/60	27/60
Four Ball EP Test, ASTM D2596:		
Load Wear Index, kg	100+	100+
Weld Load, kg	620	620
Castrol Molub-Alloy Solids, Grade Classification	Heavy Duty	Heavy Duty

MOLUB-ALLOY® 936 SF HEAVY

Technical data

	Unit	Value	Test method
CASTROL MOLUB-ALLOY® 936 SF	-	HEAVY	-
DIN classification	-	OGPF 0 G-10	DIN 51502
NLGI grade	-	0	DIN 51818
Specific gravity at 15.6°C	kg/m ³	950	ASTM D 1298
Worked penetration	0.1 mm	355 - 385	DIN ISO 2137
Base oil properties			
Viscosity at + 40°C	mm ² /s	1660	DIN 51366
at + 100°C		52	
Flash point	°C	160	DIN ISO 2592
Four ball EP test			
Load wear index	-	> 120	ASTM D 2596
Weld load	N	> 8000	
Timken EP test			
OK value	kg	20.5	ASTM D 2509
Pumpability, Lincoln Ventmeter at 0°C	psi	400	-
Flow pressure			
at 0°C		390	
at - 20°C	hPa	< 1200	DIN 51805
at - 10°C		600	
1 mm ² /s Δ 1cSt			

Gear Oil EP 90 is a high quality monograde, extreme pressure gear oil basically suited for use in hypoid rear axles and gear boxes.

PRODUCT BENEFITS

Lower power consumption

Good protection against corrosion

Reduced wear

CHARACTERISTICS

Properties	Gear Oil EP 90
Appearance	Bright & Clear brown liquid
Kin.Visc @100 ⁰ C	17.5 -21
Flash Point (COC) ⁰ C	180 min
Pour Point	-6 max
EP Property	180 Kgs min
Foaming Properties	50/0
Sequence I	25/0
Sequence II	50/0
Sequence III	