



CRL EP GEAR OILS

VRL EP GEAR OILS are proven extreme pressure industrial lubricants made from highly refined based stocks and modern additive technology. They are exceptionally stable over a wide range of temperatures and have high load-carrying capacity, and quickly separate from water. The **ADVANTAGE EP GEAR OILS** are recommended for lubrication of spur, helical, bevel, and worm gear configurations subject to heavy loading or shock loading.

CRL EP GEAR OILS meet or exceed the requirements for CINCINNATI MILACRON P-35, P-59, P-63, P-74, P-77; DIN 51517 PART 3, US STEEL 224, DAVID BROWN S1.53.101, AGMA 9005-D94 GRADES 2EP-8EP

TYPICAL PROPERTIES

Product Code:	616	629	625	617	621		
618 626							
PROPERTY	68	100	150	220	320	460	680
AGMA Number	2EP	3EP	4EP	5EP	6EP	7EP	8EP
Viscosity, cSt @40 °C	68	100	150	220	320	460	680
Viscosity, cSt @100 °C	8.8	11.0	15.0	19.3	25.0	28.5	36.5
Viscosity Index	99	98	98	95	95	95	95
Gravity, °API	27.9	27.0	27.0	26.5	26.1	24.1	22.5
Flash Point, °F	400	410	415	415	450	460	460
Pour Point, °F	-5	-5	-5	0	0	0	0
Load Carrying Properties							
Timken OK Load, lb.	60	60	60	60	60	60	60
4-Ball EP Test (ASTM D2783)							
Load-wear index, kg	42	42	42	42	43	46	48
Weld Point, kg	260	250	250	250	250	250	250
4 Ball wear test (ASTM D2266)							
20kg, 1800 rpm, 54°C (130°F)	0.25	0.25	0.25	0.25	0.25	0.25	0.25
1 hr, wear scar diameter, mm	12	12	12	12	12	12	12
FZG gear test, stages							
Demulsibility (ASTM D2711)							
Total free water, ml	86.3	85.5	84.1	82.2	83.0	84.9	80.5
Emulsion, ml	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Rust Test (ASTM D665)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Copper strip corrosion (ASTM D130)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam test (ASTM D 892),	Pass	Pass	Pass	Pass	Pass	Pass	Pass