



DYNA-PLEX 21C[®] CORVUS RAILROAD ENGINE OIL

Dyna-Plex 21C[®] Corvus Railroad Engine Oil is formulated to meet the emerging fuel and emission standards in late model EMD and GE engines in railroad applications. This is a zinc free oil providing excellent protection to silver wrist pins and turbo charger bearings. In addition, the optimized formulation has a reduced ash content and incorporates advanced dispersant technology. It enhances oxidation and thermal stability and improves yellow metal wear protection.

Dyna-Plex 21C Corvus Railroad Engine Oil exceeds LMOA Generation V and GE Generation IVLL requirements. It is designed to satisfy EMD, General Electric and Bombardier. This oil is specifically recommended for railroad, marine and stationary engines as it meets the 184-day drain interval in control of rocker box deposits and sludge formation.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>SAE 40</u>	<u>SAE 20W40</u>
Viscosity @ 40°C, cSt	D445	158.00	140.00
Viscosity @ 100°C, cSt	D445	15.20	15.20
Viscosity Index	D2270	98	110
Flash Point, COC, °C (°F)	D92	254 (490)	250 (482)
Pour Point, °C (°F)	D97	-12 (10)	-18 (0)
Color	D1500	4.0	4.0
Gravity, °API	D287	27.4	28.3
Sulfated Ash, % wt.	D874	1.00	1.00
Total Base Number (TBN)	D2896	9.0	9.0
Zinc, ppm	D4951	<10	<10
Molydenum, ppm	D4951	65	65
EMD 2-567 Silver Lubricity Test:			
Demerits (average)		18	18
GE Oxidation Test:			
% Viscosity increase @ 38°C (100°F)		5.0	5.0
GE Bronze Friction and Wear Test			
		Pass	Pass
Caterpillar 1G2, 480 hours:			
% Top Groove Fill		10	10
Weighted Total Deposits		300	300

Contains non-chlorinated additive package.

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