

Corvus 13 Railroad Engine Oil

Dyna-Plex 21C® Dyna-Plex 21C® Corvus 13 Railroad Engine Oil is for use in high output, medium speed diesel engines. This is a zinc free oil, providing excellent protection to silver wrist pins and turbo charger bearings. In addition, there are detergent/dispersant characteristics for a long filter life and engine cleanliness.

Dyna-Plex 21C Corvus 13 Railroad Engine Oil is a Generation IV and Generation V electromotive engine oil. It is accepted by EMD and General Electric. This oil is specifically recommended for those railroad, marine and stationary engines, which require the use of zinc free, CD quality oils.

PROPERTY	ASTM TEST METHOD	SAE <u>40</u>	SAE 20W-40
Viscosity @ 40°C, cSt	D-445	160.70	143.00
Viscosity @ 100°C, cSt	D-445 D-445	15.50	15.50
Viscosity Index	D-2270	100	110
Flash Point, COC, °C (°F)	D-92	252 (485)	250 (482)
Pour Point, °C (°F)	D-97	-12 (10) [′]	-18 (0)
Color	D-1500	3.5 ` ′	3.5 `´
Gravity, °API	D-287	27.4	28.0
Sulfated Ash, % wt.	D-874	1.20	1.20
Total Base Number (TBN)	D-2896	13	13
Zinc, ppm	D-4951	<10	<10
EMD Oxidation-Corrosion Test			
Demerits at 141°C (285°F)		2.3	2.3
Demerits at 163°C (325°F)		17.8	17.8
Silver Corrosion, mg loss @ 141°C (285°F)		1.7	1.7
Silver Corrosion, mg loss @ 163°C (325°F)		0.2	0.2
EMD 2-567 Silver Lubricity Test:		16	16
Demerits (average) GE Oxidation Test:		10	16
% Viscosity increase @ 38°C (100°F)		5.0	5.0
GE Bronze Friction and Wear Test		Pass	Pass
Caterpillar 1G2, 480 hours:		1 433	1 433
% Top Groove Fill		10	10
Weighted Total Deposits		300	300
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Meets or exceeds the following tests and requirements:

API Service Classification – CD, CF Military Specification – MIL-L-2104C

NOTE: Contains non-chlorinated additive package