

RR OIL

Medium Speed High Output Lubricant



Features

RR OIL meets or exceeds the requirements of the following engine manufacturers:

- GM EMD
- GE
- ALCO
- MLW
- Bombardier
- Caterpillar

Benefits

- Suitable for extended oil drains
- Provides silver bearing protection
- Chlorine-free for easy disposal
- Minimizes deposits in all parts of the engine

RR OILS are formulated to satisfy the severe lubricant requirements of today's medium speed high output diesel engines, such as those typically found in locomotives, generator sets, fishing boats and ferries.

RR OILS are available in a variety of levels of alkaline reserve, shown by their Total Base Number (TBN). They also have good ability to resist the degrading effects of oxidation. Together, these attributes control both the acids formed during combustion and the viscosity increase caused by oxidation so that **RR OILS** allow for maximum oil drain intervals. Engine wear is also controlled with detergent, while dispersants minimize deposits in critical areas, such as ringbelts, top decks, air box and crankcase, minimizes costly oil cooler deposits and effectively prevents oil filter plugging.

Irving **RR OILS** provide wear protection without the use of the usual zinc-based additives, so that they provide superior lubrication for the silver wrist pin bearings found in GM Electro Motive Division engines. Irving **RR OILS** are also chlorine-free: This is a big advantage since many competitive oils contain at least traces of chlorine, making disposal of the waste oil a costly problem because recyclers tend to treat all chlorine-containing products as potentially hazardous.

Typical performance results

SERIES	4100	4100	4100	4130	4170	4170
SAE GRADE	30	40	20W40	20W40	40	20W40
VISCOSITY (D-445)						
cSt @ 40°C	95.9	152.5	127.6	128.4	152.7	136.2
cSt @ 100°C	11.3	15.2	15.3	15.2	15.5	15.2
VISCOSITY INDEX (D-2270)	104	100	125	122	103	114
POUR POINT (°C) (D-97)	-19	-24	n.d.	n.d.	-22	n.d.
COLD CRANKING SIMULATOR VISCOSITY (D-2602)						
cP @ -10°C (Max 5000)			-	-		4461
cP @ -15°C (Max 9500)			5272	5875		8003
FLASH POINT (°C) (D-92)	260	292	254	276	276	258
TOTAL BASE NUMBER (D-2896)	10.5	10.5	10.5	13.4	17.6	17.5
SULPHATED ASH %wt. (D-874)	1.1	1.1	1.1	1.4	1.9	1.9
ZINC (ppm) (ICP)	< 5	< 5	< 5	< 5	< 5	< 5
CHLORINE (ppm)	< 10	< 10	< 10	< 10	< 10	< 10

Available sizes & part numbers

RR OIL	18.9 L (5.0 US Gal)	60L (15.85 US Gal)	205L (54.2 US Gal)	500L (132 US Gal)	1000L (264 US Gal)	1200L (317 US Gal)	Bulk
RR 4100 SAE 30			F0017250		F0017260		B0017201
RR 4100 SAE 40			F0017650	F0017655			
RR 4100 20W40					F0017160		B0017101
RR 4130 20W40					F0034560		
RR 4170 2040			F0068350				B0068301
RR 4170 SAE 40			F0025350		F0025360		B0025301

Check with sales representative or website for the latest product approvals.



Lubricants

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