



SHIFT ULTRA MINERAL - EXTREME PRESSURE AUTOMOTIVE GEAR OIL

PRODUCT DESCRIPTION:

Shift Ultra is superior sulfur-phosphorus, extreme pressure gear lubricant formulated with premium quality base stocks, friction modifiers and corrosion inhibitors, meeting the requirements of API GL-5 as well as many other manufacturer specifications. These oils are formulated to produce a superior gear lubricant with extreme pressure characteristics and thermal stability for automotive applications over a wide range of temperatures and heavy-duty conditions.

APPLICATION:

Shift Ultra oils are mainly recommended for use in spiral bevel and hypoid differentials, power dividers and transmissions requiring EP gear lubes under high speed, high load, high torque and high horse power conditions. Shift Ultra meets or exceeds the quality requirements of numerous vehicle manufacturers such as IVECO, MAN, SCANIA and VOLVO for heavy vehicles rear axles and final drive units.

FEATURES & BENEFITS:

- Extreme pressure properties protect hypoid and other types of gears from scuffing and wear
- Superior thermal and oxidative stability
- High safety margin against foaming and corrosion
- Protects against oil seal deterioration

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

SAE GRADES	90	140	80W-90	85W-90	80W-140	85W-140	75W-90
API	GL-5	GL-5	GL-5	GL-5	GL-5	GL-5	GL-5
MIL	MIL-L-2105D	MIL-L-2105D	MIL-L-2105D	MIL-L-2105D	MIL-L-2105D	MIL-L-2105D	MIL-L-2105D
MAN	342 M2	-	342 M2	342 M2	-	-	342 M2
ZF	12E/16B 16C/17B 19B/21A	16D	12E/16B 16C/17B 19B/21A	12E/16B 16C/17B 19B/21A	12E/16C 16D/21A	12E/16C 16D/21A	12E/16B16C 17B/21A

* Phosphorus limit exceeds.


TYPICAL PERFORMANCE:

PARAMETERS	ASTM	UNIT	SHIFT ULTRA						
			90	140	80W-90	85W-90	80W-140	85W-140	75W-90
KV @ 104°F /40°C	D7042	cSt	200.0	405.1	142.0	200	225	405.0	86.1
KV @ 212°F /100°C	D7042	cSt	17.5	28.3	15.6	17.5	28.5	28.2	14.4
Viscosity Index	D2270	-	96	97	114	96	165	96	174
SP. Gravity @15°C	D4052	g/cm3	0.899	0.902	0.895	0.899	0.880	0.905	0.845
Flash Point (min)	D92	°C	230	236	220	230	218	234	214
Pour Point (max)	D97	°C	-9	-9	-27	-15	-27	-12	-42
Brookfield Viscosity	D2983	cp	-	-	90,000 (-26C)	100,000 (-12C)	110,000 (-12C)	120,000 (-26C)	135000 (-40C)

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.lubrex.net

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.lubrex.net

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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