



CRUZE
LUBRICANTS

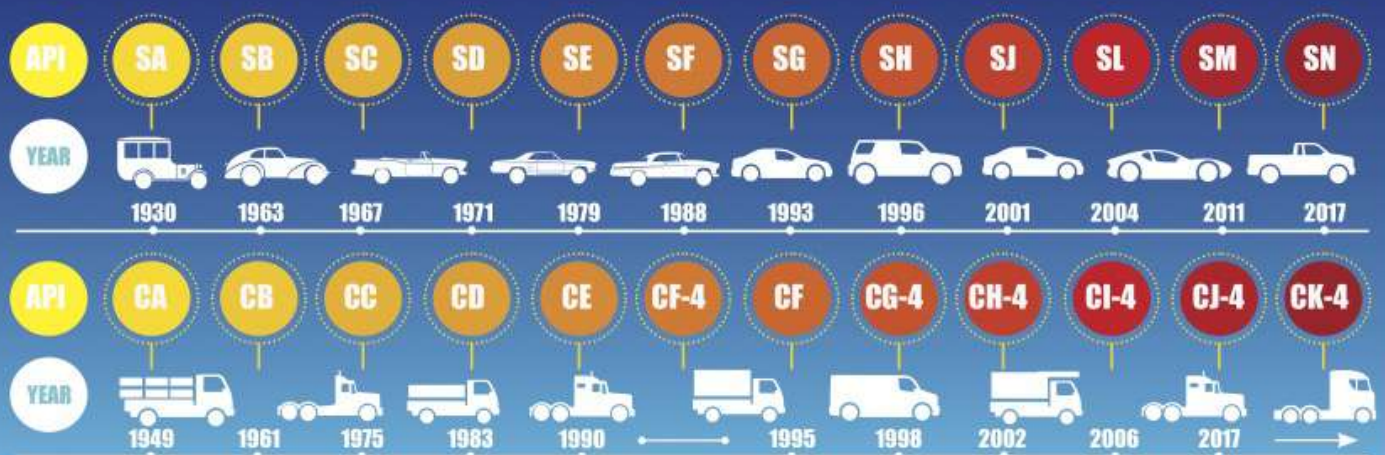
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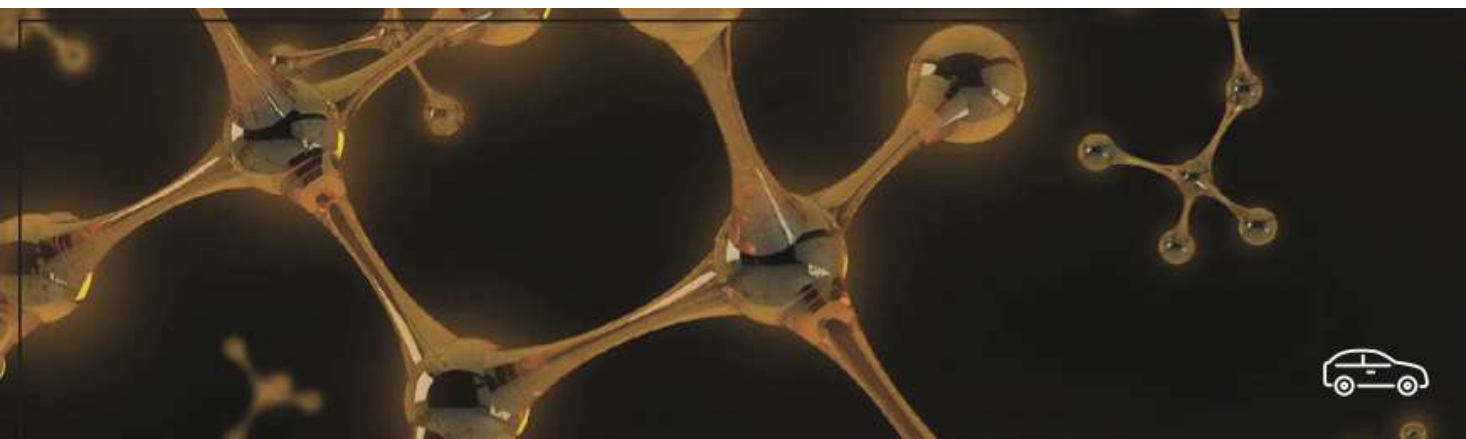
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WHAT ARE THE API SPECIFICATIONS?

API (American Petroleum Institute) defines the quality standards for engine oils using two service categories for gasoline (S) and diesel (C) engines respectively. The two letters are followed by a further progressive indication according to the updates products meeting each level are officially suitable where previous levels are required.







SYNCRU SAE 5W30 API SN:

1L, 4L, 208L

Fully synthetic motor oil with top notch technologies involved in the field. scrupulously made from raw materials that contains the highest proportions of the chemical chains required to achieve the highest levels of safety measures for your car engine, reducing the wear rates at the start-up of the engine and Preventing the oil from breaking down under sever operating conditions. Ideal for contemporary gasoline engines equipped with multi-valve technology and turbocharging, whether or not charge air cooling is present. Particularly effective in scenarios involving extended periods between oil changes and for demanding heavy-duty engine applications.



Enables a long life for exhaust emission systems and environmental protection due to its low ash, phosphorus and sulphur structure.



Excellent cleaning power providing engine protection against sludge and soot formation.



Poly-Alpha-Olefin Technology



fuel saving due to low friction and oxidation performance.



Supports our go green policy



SYNCRU SAE 5W40 API SN:

1L, 4L, 208L

High quality synthetic motor oil. Meticulously engineered with highly saturated chemical chains additives, to provide unparalleled wear resistance during cold starts and prevent chemical and mechanical corrosion. Perfectly designed for individuals seeking optimal engine performance in today's modern vehicles that necessitate elevated protection and high-performance oils. Perfect for high-performance engines with long oil change intervals and demanding conditions.

Physical Characteristics	Test Method	SN 5W30	SN 5W40
Specific Gravity @ 60/60 of	ASTMD-4052	0.8520	0.8560
Kinematic Viscosity@ 40 oC, cst	ASTM D-445	62.10	88.20
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	10.80	14.10
Viscosity Index	ASTMD-2270	166	165
Flash Point, COC, oC	ASTM D-92	220	228
Pour Point, oC	ASTM D-97	-42	-39
TBN mg KOH/g	ASTMD-2896	7.20	7.20



SYNTHETIC

Synthetic' motor oil is the pinnacle of engine lubrication for high performance vehicles. Despite the name, though, synthetic oil is still derived from the thick black stuff ejected by oil wells. the difference is that its molecular structure and properties are modified, refined and 'synthesised' using complex laboratory



ECHO SAE 10W40 API SL :

1L, 4L, 208L

Multi-grade motor oil derived from minerals. Swift cold-start lubrication ensures protection against engine wear at the beginning and during the warm-up period. Guards against sludge formation and maintains a consistent lubricating film, with superior group of additives preventing the oil from breaking down under heavy operating conditions.

All-year oil, Especially suited for older vehicles with and without charge air cooling.



A long lasting oil film providing outstanding performance in all traffic conditions and temperatures



Thorough protection against rust and wear in the engine



Low oil consumption due to viscosity control



Supports our go green policy



ECHO SAE 20W50 API SL :

1L, 4L, 208L

Multi-grade mineral based engine oil that ensures a consistent lubricating film, maintains optimal oil pressure in various operating conditions, and offers excellent engine cleanliness and excellent high temperature protection and ample safety margins during extreme loads.

Physical Characteristics	Test Method	SL 10W40	SL 20W50
Specific Gravity @ 60/60 of	ASTMD-4052	0.885	0.885
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	14	17.5
Viscosity Index	ASTMD-2270	128	125
Flash Point, COC, oC	ASTM D-92	221	221
Pour Point, oC	ASTM D-97	-18	-18
TBN mg KOH/g	ASTMD-2896	8.4 - 10	8.5 - 10.5



SEMI SYNTHETIC

Synthetic' motor oil is the pinnacle of engine lubrication for high performance vehicles. Despite the name, though, synthetic oil is still derived from the thick black stuff ejected by oil wells. The difference is that its molecular structure and properties are modified, refined and 'synthesised' using complex laboratory



MINERAL OIL

Mineral' oil sounds like it should be synthetic too (minerals aren't organic, after all), but the name comes from the way it's extracted from the earth like other mineral deposits. It's 'cruder' than synthetic oil, but also a lot cheaper to manufacture and it can still provide perfectly adequate protection for less demanding engines



SUPER SAE 20W50 API SG:

1L, 4L, 208L

Mineral based high performance motor oil designed for exceptional dirt-suspending and thermal stability. Ensures superior motor cleanliness, optimal oil pressure, and maximum wear protection, particularly in challenging conditions.

Also suitable for use in motorcycles and motor cars where high viscosity oils are specified or required.



A long lasting oil film providing outstanding performance in all traffic conditions and temperatures



Thorough protection against rust and wear in the engine



Low oil consumption due to viscosity control



MONO 50 SAE 50 API SF/CF:

1L, 4L, 208L

A high quality mono-grade mineral based engine oil, that is specifically engineered to lower the engine internal friction parts and protect it against wear and ensures superior stability of the lubricating film.

Physical Characteristics	Test Method	SG 20W50	SF/CF 50
Specific Gravity @ 60/60 of	ASTMD-4052	0.91	0.91
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	17.5	19
Viscosity Index	ASTMD-2270	120	105
Flash Point, COC, oC	ASTM D-92	211	208
Pour Point, oC	ASTM D-97	- 16	-14
TBN mg KOH/g	ASTMD-2896	8	7.5



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PROFESSIONAL API C14 Plus SAE 10W40:

High quality synthetic motor oil with blend of innovative and advanced additives ensures outstanding wear protection, minimizes oil and fuel consumption, and maintains engine cleanliness, all while facilitating rapid oil penetration into the engine. For diesel engines with and without charge air cooling. Suitable for extended oil change intervals and high engine loads.



Superior cleaning performance provides engine protection against sludge and soot formation



An oil film able to resist extreme conditions in a range of working temperatures and driving conditions.

Supports our go green policy.



Outstanding protection against wear and corrosion.



20L, 25L, 208L

Physical Characteristics	Test Method	C14 - 10W40
Specific Gravity @ 60/60 of	ASTMD-4052	0.91
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	13.6
Viscosity Index	ASTMD-2270	147
Flash Point, COC, oC	ASTM D-92	230
Pour Point, oC	ASTM D-97	-27
TBN mg KOH/g	ASTMD-2896	10
APPARENT VISCOSITY CCS AT -25 oC MAX	ASTM D-5293	7000



SYNTHETIC

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ULTRA API CI4 SAE 15W40:

5L, 20L, 25L, 208L

Year-round, synthetic Technology high-performance motor oil designed for diesel engines, whether equipped with or without exhaust gas turbocharging. Carefully chosen base oils and a substantial additive content ensure optimal lubrication in challenging operating conditions and over extended periods between oil changes. Particularly effective in situations with prolonged intervals between oil changes and extreme operating conditions. For diesel engines with and without charge air cooling. Suitable for extended oil change intervals and high engine loads.



An oil film able to resist extreme conditions in a range of working temperatures and driving conditions.



Outstanding protection against wear and corrosion.



Superior cleaning provides engine protection against sludge and soot formation.



PREMIUM API CH4 SAE 20W50:

5L, 20L, 25L, 208L

Versatile, high-performance motor oil suitable for year-round use in diesel engines, whether equipped with or without exhaust gas turbocharging. Carefully chosen base oils and a rich additive composition ensure optimal lubrication in challenging operating conditions and over extended periods between oil changes. Particularly well-suited for situations with prolonged intervals between oil changes and extreme operating conditions.



Physical Characteristics	Test Method	CI4 15W40	CH4 20W50
Specific Gravity @ 60/60 of	ASTMD-4052	0.91	0.90
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	14.6	17.5
Viscosity Index	ASTMD-2270	126	121
Flash Point, COC, oC	ASTM D-92	218	216
Pour Point, oC	ASTM D-97	-21	-17
TBN mg KOH/g	ASTMD-2896	10	9.5



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DIESEL ENGINE OIL

CRUZE II
LUBRICANTS



OPTIMOL 20W50:

5L, 20L, 25L, 208L

High performance multigrade motor oil derived from minerals. Delivers excellent dirt-suspending and cleaning capabilities, ensuring optimal stability of the lubricating film, ideal oil pressure, and maximum wear protection even in challenging conditions. Recommended for vehicles with well-established engine technology.



An oil film able to resist extreme conditions in a range of working temperatures and driving conditions.



Outstanding protection against wear and corrosion.



Superior cleaning provides engine protection against sludge and soot formation.



CRUZE FX-60:

5L, 20L, 25L, 208L

Mono-grade high viscosity mineral oil suitable for classic engines and systems that require a gently blended motor oil according to the manufacturer's specifications. Guards against sludge formation and maintains a consistent lubricating film, even in extremely challenging operating conditions. Includes an elevated proportion of wear-protection components.



Physical Characteristics	Test Method	CF20W50	CFX 60
Specific Gravity @ 60/60 of	ASTMD-4052	0.90	0.91
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	18.4	23.6
Viscosity Index	ASTMD-2270	120	113
Flash Point, COC, oC	ASTM D-92	206	214
Pour Point, oC	ASTM D-97	-15	-18
TBN mg KOH/g	ASTMD-2896	8.4	8.2



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DIESEL ENGINE OIL

CRUZE II
LUBRICANTS



API CF4 SAE 20W50:

1L, 5L, 16L, 20L, 25L, 208L



An oil film able to resist extreme conditions in a range of working temperatures and driving conditions.



Outstanding protection against wear and corrosion.



Superior cleaning provides engine protection against sludge and soot formation.

Versatile, high-performance motor oil suitable for year-round use in diesel engines, whether equipped with or without exhaust gas turbocharging. Carefully chosen base oils and a rich additive composition ensure optimal lubrication in challenging operating conditions and over extended periods between oil changes. Particularly well-suited for situations with prolonged intervals between oil changes and extreme operating conditions.

Physical Characteristics	Test Method	CH4 20W50
Specific Gravity @ 60/60 of	ASTMD-4052	0.90
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	16.3 - 21.9
Viscosity Index	ASTMD-2270	120
Flash Point, COC, oC	ASTM D-92	+215
Pour Point, oC	ASTM D-97	-24
TBN mg KOH/g	ASTMD-2896	10



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CRUZE F60:

5L, 20L, 25L, 208L

A carefully blended mineral-based mono-grade motor oil with a mild formulation, specifically designed to meet the needs of classic cars. The use of selected base oils and additives ensures optimal lubrication and excellent wear protection in various operating conditions.



An efficient oil film resistant in light and medium conditions.



Thorough protection against corrosion and wear to the engine.



Prevention of deposit and sludge accumulation in the engine.



CRUZE F50:

5L, 20L, 25L, 208L

Mineral mono-grade oil designed for vintage engines and systems that mandate a softly blended motor oil, as specified by the manufacturer. Acts to prevent the formation of sludge, ensuring a stable lubricating film even in the most extreme operating conditions. Enriched with a higher proportion of wear-protection components.



Physical Characteristics	Test Method	CF60	CF50
Specific Gravity @ 60/60 of	ASTMD-4052	.90	.90
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	22.3	19
Viscosity Index	ASTMD-2270	112	107
Flash Point, COC, oC	ASTM D-92	220	220
Pour Point, oC	ASTM D-97	-13	-11
TBN mg KOH/g	ASTMD-2896	8	8



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CRUZE F40:

1L, 4L, 20L, 208L

Mineral mono-grade oil designed for vintage engines and systems that mandate a softly blended motor oil as specified by the manufacturer. Acts to prevent the formation of sludge, ensuring a stable lubricating film even in the most extreme operating conditions. Enriched with a higher proportion of wear-protection components.



An efficient oil film resistant in light and medium conditions.



Thorough protection against corrosion and wear to the engine.



Prevention of deposit and sludge accumulation in the engine.



CRUZE D40:

1L, 4L, 20L, 208L

Mineral mono-grade oil designed for vintage engines and systems that mandate a softly blended motor oil as specified by the manufacturer. Acts to prevent the formation of sludge, ensuring a stable lubricating film even in the most extreme operating conditions. Enriched with a higher proportion of wear-protection components.

Physical Characteristics	Test Method	CF40	CD40
Specific Gravity @ 60/60 of	ASTMD-4052	0.90	0.90
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	12.5-16.3	12.5-16.3
Viscosity Index	ASTMD-2270	111	104
Flash Point, COC, oC	ASTM D-92	210	208
Pour Point, oC	ASTM D-97	-9	-9
TBN mg KOH/g	ASTMD-2896	8	8



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CRUZE CVT :



1L

Top-performing lubricant achieved through the incorporation of highly stable viscosity index improvers, contemporary anti-wear additives, and dependable friction reducers. This combination results in outstanding clutch performance. Additionally, the oil is well-suited for application in dual-clutch transmissions with a shared oil supply for the clutch, synchronization, gear set, and hydraulic steering.



CRUZE ATF DEXRON VI :



1L

Multipurpose, automatic transmission fluid from the latest generation, featuring exceptionally high performance reserves. Ensures high thermal stability for ideal resistance to aging, offering excellent wear protection and favorable friction characteristics. Boasts maximum safety reserves through advanced additive technology, with an enhanced formula for prolonged transmission life. Compatible with all sealing materials.



CRUZE ATF III :



1L

Highly resilient automatic transmission fluid. Suitable for vehicles with established transmission technology. Offers exceptional wear protection and favorable friction characteristics. Ensures smooth hydraulic gear operation even in challenging conditions and significant temperature variations. Exhibits outstanding lubrication properties and effective corrosion protection. Compatible with seals.



Physical Characteristics	Test Method	CVT	DEXRON VI	ATF III
Specific Gravity @ 60/60 of	ASTMD-4052	0.864	0.8740	0.81-0.92
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	7.2	6.15	7-8
Viscosity Index	ASTMD-2270	180	158	150
Flash Point, COC, oC	ASTM D-92	198	190	+170
Pour Point, oC	ASTM D-97	-51	-51	-18



Extends equipment life by minimizing wear.



Superior performance in hot and cold climates.



Protect gears against rust and corrosion.



Extends equipment life by minimizing wear.



Contains special additives to prevent deposit formation and resist against foaming



Protect gears against rust and corrosion.



CRUZE VL 85W140 :

20Lt, 208 Lt

The high performance gear oil ensures optimal performance, even amid significant temperature fluctuations. It minimizes wear to the lowest levels, promoting excellent transmission efficiency and maximizing fuel savings, especially with extended oil-change intervals. Features advanced wear-protection technology for smooth shifting.



Protect gears against rust and corrosion.



Long oil life with high oxidation resistance.



Compatible with seals and gaskets.



CRUZE VL 80W 90

20Lt, 208 Lt

The high quality mineral based gear oil with exceptionally robust performance reserves. Ensures precise friction behavior and exhibits outstanding resistance to aging. Surpasses the rigorous testing standards set by reputable manufacturers. Ensures maximum performance, especially with extended oil-change intervals. Features advanced wear-protection technology for smooth shifting.



MINERAL OIL

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Physical Characteristics	Test Method	VL85W140	VL80W90
DENSITY 15 C	ASTM D-1298	0.90	0.90
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	27	14.5
Viscosity Index	ASTMD-2270	130	118V
Flash Point, COC, oC	ASTM D-92	225	218
Pour Point, oC	ASTM D-97	-18	-18
Max. temp (C) for Brook field viscosity of 150000 (cp)	ASTMD-2896	-12°C	-26°C
Copper strip corrosion	ASTMD-130	1	1
Foaming tendency / stability Seq I ml max Seq II ml max Seq III ml max	ASTMD-892	20/0 50/0 20/0	20/0 50/0 20/0



CRUZE VL 140 :

208 Lt - 20Lt .

Mineral based gear oil suitable for various applications, providing effective stress distribution across the tooth face. Formulated with premium mineral base oil and a balanced blend of additives, ensuring a high load-bearing capacity, protection against wear, and stability against oxidation.



Protect gears against rust and corrosion.



Long oil life with high oxidation resistance.



Compatible with seals and gaskets.



CRUZE VL 90 :

208 Lt - 20Lt .

Mineral-based transmission fluid designed for vehicles with established transmission technology. Ensures the formation of a stable lubricating film, minimizes wear, and offers excellent lubrication properties with exceptional corrosion protection. Facilitates smooth shifting.



Physical Characteristics	Test Method	VL140	VL90
DENISITY 15 C	ASTM D-1298	.886	.886
Kinematic Viscosity@ 100 oC, cst	ASTM D-445	28	15.4
Viscosity Index	ASTMD-2270	117	108
Flash Point, COC, oC	ASTM D-92	214	206
Pour Point, oC	ASTM D-97	-11	-11

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CRUZE HYDRAULIC HVLP

16 Lt, 18 Lt 208 Lt

High Performance heavy duty hydraulic oil for central hydraulic systems designed to meet stringent standards. Offers excellent thermal stability, ensuring optimal resistance to aging. Provides maximum wear protection, favorable friction characteristics, and outstanding low-temperature performance. Enriched with an elevated proportion of corrosion protection components.



CRUZE HYDRAULIC HLP series:

16 Lt, 18 Lt 208 Lt

Heavy duty hydraulic oil for central hydraulic systems designed to meet stringent standards. Offers excellent anti-oxidation stability, ensuring optimal resistance to aging. Provides maximum wear protection, favorable friction characteristics, and outstanding low-temperature performance. Enriched with an elevated proportion of corrosion protection components.



Physical Characteristics	Test Method	HVLP 68	HLP 68
DENISITY 15 C	ASTM D-1298	0.880	0.885
Kinematic Viscosity@ 40oC, cst	ASTM D-445	68	68
Viscosity Index	ASTMD-2270	148	98
Flash Point, COC, oC	ASTM D-92	230	210*
Pour Point, oC	ASTM D-97	-33	-14
Total Acid Number	ASTM D-2896B	0.3	0.5
Copper Corrosion	ASTM D-130	1a	1a
Foam Tendency/Stability	ASTM D-892	50/0	50/0
Corrosion Test	ASTM D-665 B	Pass	Pass
Water Separability	ASTM D-1401	40/37/3	40/37/3
Air Release (min)	ASTM D-3427	5	5



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COOLANT

CRUZE HEAVY DUTY ENGINE COOLANT (HDEC) :

4L

A durable coolant formulated with mono-ethylene glycol and utilizing advanced organic acid inhibitor technology. Unlike conventional antifreeze coolants, it excludes amines, nitrites, phosphates, silicates, and other inorganic inhibitors. works over a wide operating temperature range for effective engine cooling in all climates, and offers freezing protection between -15°C and -32°C depending on concentration. HDEC Premix has been diluted up to 50% concentration with distilled water, providing freezing protection down to -32°C.

- Provides unique protection against corrosion and foam formation due to the special additives it contains.
- It is compatible with elastomers used in seals, O-rings and gaskets.
- Nitrite, boron, phosphorus, silicate, amine free.



TECHNICAL PROPERTIES	Test Method	CRUZE HDEC 5	CRUZE HDEC 3
Appearance		Clear & Bright	Clear & Bright
Color		Blue	Green
Density 20oC	ASTMD-1298	1.12	1.07
pH	ASTM D-1287	7.50 – 8.90	7.50 – 8.90
Water Content %		50	70
Boiling Point 0 C		>120	>120



CRUZE TUKTUK SAE 50 :

1.7L

It is used in the oil pan of naturally aspirated, small and medium-sized, gasoline and diesel engines which do not need high performance engine oils. They are suitable to be used in the vehicles which make short distance transportation and frequent oil changes.



CRUZE TUKTUK SF 20W50 :

1L, 1.7L

CRUZE 4T 20W-50 is a high performance conventional four-stroke motorcycle engine oil primarily intended for general use in many types of four-stroke motorcycles and engines.

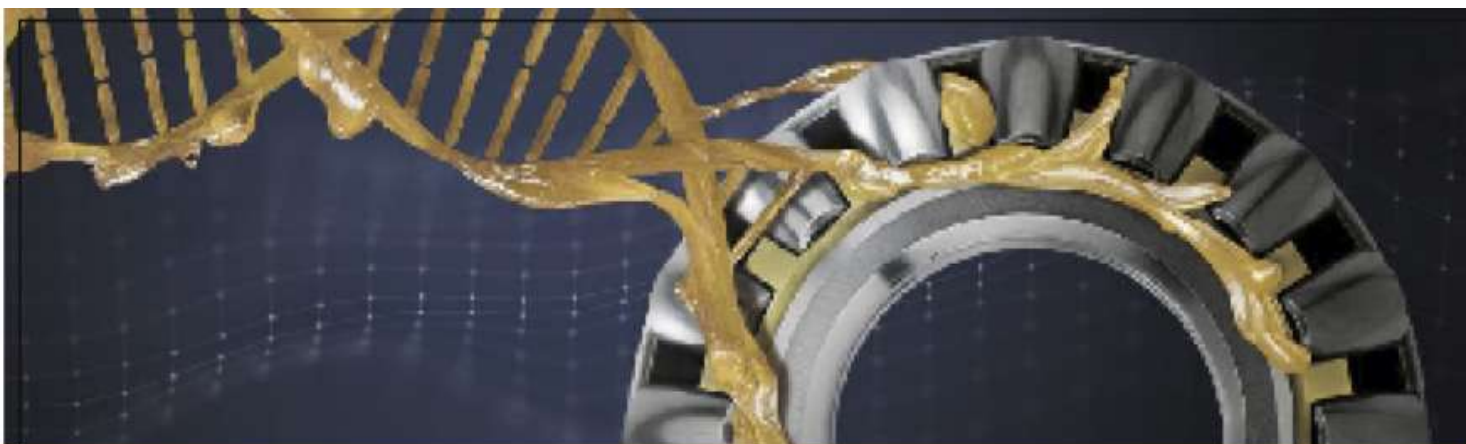


Physical Characteristics	Test Method	TOKTOK 50	TOKTOK 4T 20W50
DENISITY 15 C	ASTM D-1298	0.900	0.900
Kinematic Viscosity@ 100oC, cst	ASTM D-445	18	17.4
Viscosity Index	ASTMD-2270	108	119
Flash Point, COC, oC	ASTM D-92	208	210
Pour Point, oC	ASTM D-97	-18	-14
Total Base Number	ASTM D-2896B	6-8	6.2-8.5



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GREASE

CRUZE Grease EP 2 :

18KG - 180KG

Cruze Grease EP 2 is a multipurpose Lithium grease of NLGI No.2 consistency having good extreme pressure, anti-oxidant and anti-rust properties. The grease enjoys excellent storage and service stability.



Application

Cruze EP 2 greases is ideal for all plain and anti-friction bearings of industrial equipment used in heavy engineering units, machine tool units, textile mills, paper mills, fertilizer plants, tea garden machinery, sugar mills, Fettling grinding machines in Castings & foundry units, TMT Mills roller bearings etc., particularly where contacting surfaces are exposed to very heavy pressure and shock loads. With the use of Cruze Grease, the service life of lubricated parts (even when subjected to heavy shock loads) gets increased appreciably as the EP additives provide a high degree of film stability to combat shock load fatigue stresses. These greases can easily be pumped through hand or power operated dispensing systems over a wide temperature range.



Very good anti-wear and EP Performance



Highly adhesive and cohesive structure



Broad multipurpose application



Excellent protection against metal to metal



Provides superb resistance to water washout

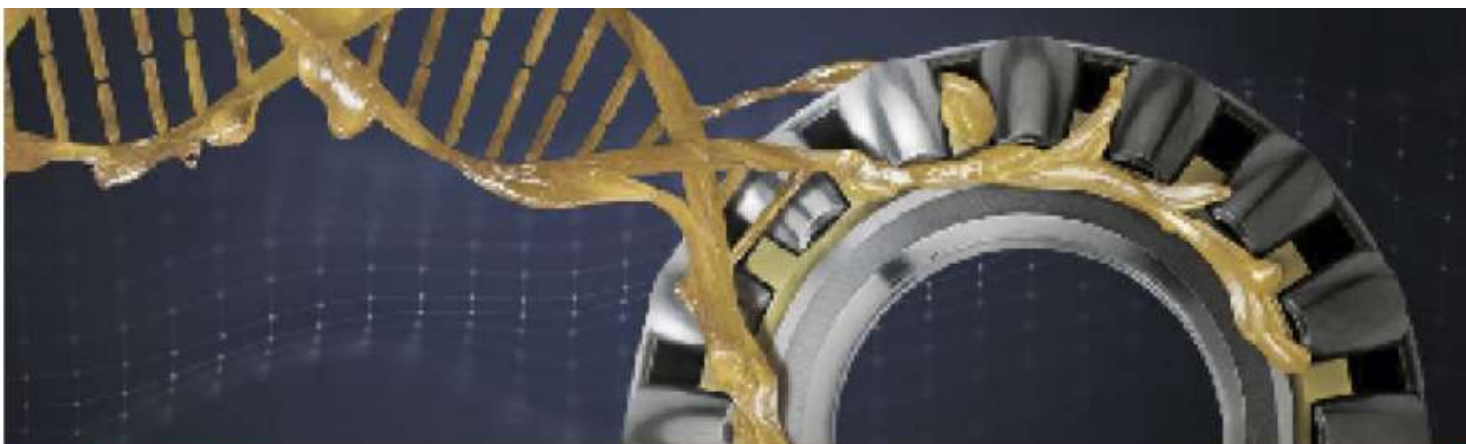


Broad application resulting in reduced inventory

Physical Characteristics	Test Method	Grease EP 2
Thickener Type	-	Lithium grease
Appearance	Visual	Brown
Consistency	ISO 2137 / ASTM D217	2
Worked Penetration (60 strokes @ 25°C)	IP 50/ ASTM D-217	265-295
Dropping Point, Grease	IP 132	180
Corrosion Prevention Test	ASTM D 1743	pass
Four Ball EP Properties, Weld Point (Kg)	ASTM D2596	200
Timken OK Load	ASTM D2509	25

CRUZE EP 2 Grease provides:

- Protection to contacting surfaces against rust, corrosion, and wear, even under extreme pressure and shock load conditions.
- Good storage life.
- Excellent stay put properties at low and high temperatures even on exposure to extended shear and thermal cycle.
- Protection to moving parts from rust and corrosion under humid conditions.
- Adequate pumpability over a wide temperature range assures trouble free dispensing using different systems.



GREASE

CRUZE Grease EP 2 :

18KG - 180KG

Cruze Grease EP 2 is a multipurpose Lithium grease of NLGI No.2 consistency having good extreme pressure, anti-oxidant and anti-rust properties. The grease enjoys excellent storage and service stability.



Application

Cruze EP 2 greases is ideal for all plain and anti-friction bearings of industrial equipment used in heavy engineering units, machine tool units, textile mills, paper mills, fertilizer plants, tea garden machinery, sugar mills, Fettling grinding machines in Castings & foundry units, TMT Mills roller bearings etc., particularly where contacting surfaces are exposed to very heavy pressure and shock loads. With the use of Cruze Grease, the service life of lubricated parts (even when subjected to heavy shock loads) gets increased appreciably as the EP additives provide a high degree of film stability to combat shock load fatigue stresses. These greases can easily be pumped through hand or power operated dispensing systems over a wide temperature range.



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Broad multipurpose application



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Physical Characteristics	Test Method	Grease EP 2
Thickener Type	-	Lithium grease
Appearance	Visual	Brown
Consistency	ISO 2137 / ASTM D217	2
Worked Penetration (60 strokes @ 25°C)	IP 50/ ASTM D-217	265-295
Dropping Point, Grease	IP 132	180
Corrosion Prevention Test	ASTM D 1743	pass
Four Ball EP Properties, Weld Point (Kg)	ASTM D2596	200
Timken OK Load	ASTM D2509	25

CRUZE EP 2 Grease provides:

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- Adequate pumpability over a wide temperature range assures trouble free dispensing using different systems.



COOLANT

CRUZE HEAVY DUTY ENGINE COOLANT (HDEC) :

4L

A durable coolant formulated with mono-ethylene glycol and utilizing advanced organic acid inhibitor technology. Unlike conventional antifreeze coolants, it excludes amines, nitrites, phosphates, silicates, and other inorganic inhibitors. works over a wide operating temperature range for effective engine cooling in all climates, and offers freezing protection between -15°C and -32°C depending on concentration. HDEC Premix has been diluted up to 50% concentration with distilled water, providing freezing protection down to -32°C.

- Provides unique protection against corrosion and foam formation due to the special additives it contains.
- It is compatible with elastomers used in seals, O-rings and gaskets.
- Nitrite, boron, phosphorus, silicate, amine free.



TECHNICAL PROPERTIES	Test Method	CRUZE HDEC 5	CRUZE HDEC 3
Appearance		Clear & Bright	Clear & Bright
Color		Blue	Green
Density 20oC	ASTMD-1298	1.12	1.07
pH	ASTM D-1287	7.50 – 8.90	7.50 – 8.90
Water Content %		50	70
Boiling Point 0 C		>120	>120