CITGO PRODUCT











GASOLINE/CNG/LPG OILS





CITGO SuperGard Full
Synthetic (SAE OW-20) API SN



CITGO SuperGard European Formula Full Synthetic (SAE 5W-40) API SN



CITGO SuperGard European Formula Full Synthetic (SAE 5W-40) API SN



CITGO SuperGard (SAE 2OW-50) API SN



CITGO SuperGard (SAE 2OW-50) API SN



CITGO SuperGard (SAE 2OW-50) API SN

DIESEL ENGINE OILS





CITGO CitGard, 600 (SAE 15W-40) API CJ4



CITGO CitGard, 600 (SAE 15W-40) API CJ4



CITGO CitGard, 600 (SAE 15W-40) API CJ4



CITGO CitGard, 600 (SAE 15W-40) API CJ4



CITGO CitGard, 500 HSN (SAE 15W-40) API CI4



CITGO CitGard, 500 HSN (SAE 15W-40) API CI4

GAS ENGINE OILS





CITGO Pacemaker GEO 1940XL

FLUIDS





CITGO SuperGard ATF+4 Full Synthetic MV



CITGO Premium Gear Oil (SAE 85W-140) API GL-5



CITGO Premium Gear Oil (SAE 80W-90) API GL-5



CITGO AW Hydraulic 46



CITGO AW Hydraulic 68



CITGO Compressor Gard PAO 46



CITGO Regular Gear Oil (SAE 90) API GL-1



Dealership Form



CITGO PRODUCT



Gasoline, CNG, LPG Oils



CITGO SuperGard (SAE 2OW-50) API SN



CITGO SuperGard (SAE 2OW-50) API SN



CITGO SuperGard (SAE 2OW-50) API SN



CITGO SuperGard (SAE 2OW-50) API SN



CITGO SuperGard (SAE 2OW-50) API SN



CITGO SuperGard (SAE 2OW-50) API SN

Dealership Form



CITGO SUPERGARD® Synthetic Motor Oil SAE 0W-20 API SN



Size: 1 Quart (946 ml)

Product type: Motor oil Viscosity: ASTM D445

cSt 40° C- 44.4 cSt 100° C-8.4

Viscosity Index: ASTM D2270- 169

API-Grade: SN

ORDER NOW

CITGO SUPERGARD Full Synthetic Motor Oils are well-balanced combinations of today's highest quality synthetic base stocks and contain an advanced additive system that meets stringent automotive specifications. They are designed to provide excellent protection in today's high performance gasoline (including turbocharged and supercharged) engines in passenger cars, vans, sport utility vehicles, and light trucks. These synthetic engine oils demonstrate improved performance in today's advanced engine designs, and are available in SAE 0W-16, 0W-20, 5W-20, 5W-30 and 10W -30 viscosity grades.

Qualities:

- Excellent low-temperature starting and pumpability characteristics
- High-temperature/high-shear properties well above conventional oils
- Lower volatility when compared to conventional oils
- Excellent thermal and oxidation stability
- Enhanced protection against varnish buildup and sludge formation in critical engine parts for top performance and long engine life
- Extended engine life due to control of wear and deposit formation
- Compatible with conventional and synthetic motor oils
- Protect engines from Low Speed Pre-ignition (LSPI) occurring

Applications:

CITGO SUPERGARD Full Synthetic SAE 0W-20 is recommended for Original Equipment Manufacturers (OEM) such as Toyota and Honda where a SAE 0W-20 is specified. CITGO SUPERGARD Full Synthetic SAE 0W-20, under material code 620860001, is Approved GM dexos1® Gen2 License D10393HF121.

Note:

CITGO SUPERGARD Full Synthetic Motor Oils are not recommended for use in diesel engines. CITGO CITGARD® Motor Oils are recommended for this application. Consult your owner's manual for proper lubricant selection.

<u>Download</u>

Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO SuperGard European Formula Full Synthetic (SAE 5W-40) API SN



Size: 1 Quart (946 ml)

Product type: Motor oil

Viscosity: cP-5935 ASTM D445

cSt at 40° C - 82.6 cSt at 100° C- 13.6

Viscosity Index: ASTM D2270- 168

API-Grade: SN



CITGO SUPERGARD European Formula Motor Oils are premium quality, high performance full synthetic oils formulated for use in certain European vehicles. These specially crafted formulations contain well-balanced combinations of today's highest quality synthetic base stocks and advanced additive systems specifically designed to provide superior performance and protection under the most demanding driving conditions.

Qualities:

- Excellent low-temperature starting and pumpability characteristics.
- High-temperature-high-shear properties well above conventional oils.
- Extended drain interval capabilities.
- Lower volatility when compared to conventional oils.
- Excellent thermal and oxidation stability.
- Enhanced protection against varnish buildup and sludge formation in critical engine parts for top performance and long engine life
- Extended engine life due to control of wear and deposit formation.

Applications:

For use in certain Audi, BMW, Mercedes Benz, Porche, Volkswagen and other European vehicles

SAE 5W-40 approved under VW Standard 502 00 and VW Standard 505 00

*Consult owner's manual for proper fluid specifications.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO SuperGard European Formula Full Synthetic (SAE 5W-40) API SN



Size: Gallon (3.785 Literes)

Product type: Motor oil

Viscosity: cP-5935 ASTM D445

cSt at 40° C - 82.6 cSt at 100° C- 13.6

Viscosity Index: ASTM D2270- 168

API-Grade: SN



CITGO SUPERGARD European Formula Motor Oils are premium quality, high performance full synthetic oils formulated for use in certain European vehicles. These specially crafted formulations contain well-balanced combinations of today's highest quality synthetic base stocks and advanced additive systems specifically designed to provide superior performance and protection under the most demanding driving conditions.

Qualities:

- Excellent low-temperature starting and pumpability characteristics.
- High-temperature-high-shear properties well above conventional oils.
- Extended drain interval capabilities.
- Lower volatility when compared to conventional oils.
- Excellent thermal and oxidation stability.
- Enhanced protection against varnish buildup and sludge formation in critical engine parts for top performance and long engine life
- Extended engine life due to control of wear and deposit formation.

Applications:

For use in certain Audi, BMW, Mercedes Benz, Porche, Volkswagen and other European vehicles

SAE 5W-40 approved under VW Standard 502 00 and VW Standard 505 00

*Consult owner's manual for proper fluid specifications.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO SuperGard (SAE 2OW-50) API SN



Size: 1 Quart (946 ml)

Product type: Motor oil

Viscosity: ASTM D445 cSt at 40° C - 163

cSt at 100° C- 18.1

Viscosity Index: ASTM D2270- 123

API-Grade: SN



CITGO SUPERGARD Motor Oils are premium quality engine oils designed to provide optimum performance in highoutput gasoline (including turbocharged and supercharged) engines in passenger cars, vans, sport utility vehicles, and light trucks. The new technology incorporated in this latest generation lubricant enables it to exceed manufacturers' performance requirements. These engine oils demonstrate improved performance in today's advanced engine designs. CITGO SUPERGARD is available in both single and multi grades.

Qualities:

- Exceed latest SAE low-temperature pumping viscosity requirements.
- Provide improved performance in foaming control.
- Provide significantly greater engine cleanliness, wear protection and resistance to oil thickening.
- Protect against varnish buildup and sludge formation on critical engine parts.
- Control high-temperature deposits in critical ring belt area.
- Provide maximum protection against rust and corrosion.
- Meet SAE standards for high-temperature/high-shear rate viscosity.
- Extend engine life by controlling wear and deposit formation..

Applications:

CITGO SUPERGARD Motor Oils are recommended for passenger cars, sport utility vehicles, and light trucks operating on gasoline. CITGO SUPERGARD Motor Oils are also recommended for use in gasoline engines which have been converted to operate on compressed natural gas (CNG), liquefied natural gas (LNG), and liquefied petroleum gas (LPG—which includes propane and butane). Consult the vehicle owner's manual for proper engine lubricant selection.

*CITGO SUPERGARD Motor Oils are not recommended for use in diesel engines. CITGO CITGARD® Motor Oils are recommended for diesel applications.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO SuperGard (SAE 2OW-50) API SN



Size: 1 Gallon (3.785 Liters)

Product type: Motor oil

Viscosity: ASTM D445 cSt at 40° C – 163

cSt at 100° C- 18.1

Viscosity Index: ASTM D2270- 123

API-Grade: SN



CITGO SUPERGARD Motor Oils are premium quality engine oils designed to provide optimum performance in highoutput gasoline (including turbocharged and supercharged) engines in passenger cars, vans, sport utility vehicles, and light trucks. The new technology incorporated in this latest generation lubricant enables it to exceed manufacturers' performance requirements. These engine oils demonstrate improved performance in today's advanced engine designs. CITGO SUPERGARD is available in both single and multi grades.

Qualities:

- Exceed latest SAE low-temperature pumping viscosity requirements.
- Provide improved performance in foaming control.
- Provide significantly greater engine cleanliness, wear protection and resistance to oil thickening.
- Protect against varnish buildup and sludge formation on critical engine parts.
- Control high-temperature deposits in critical ring belt area.
- Provide maximum protection against rust and corrosion.
- Meet SAE standards for high-temperature/high-shear rate viscosity.
- Extend engine life by controlling wear and deposit formation..

Applications:

CITGO SUPERGARD Motor Oils are recommended for passenger cars, sport utility vehicles, and light trucks operating on gasoline. CITGO SUPERGARD Motor Oils are also recommended for use in gasoline engines which have been converted to operate on compressed natural gas (CNG), liquefied natural gas (LNG), and liquefied petroleum gas (LPG—which includes propane and butane). Consult the vehicle owner's manual for proper engine lubricant selection.

*CITGO SUPERGARD Motor Oils are not recommended for use in diesel engines. CITGO CITGARD® Motor Oils are recommended for diesel applications.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO SuperGard (SAE 2OW-50) API SN



Size: 1 Drum (208.9 Liters)

Product type: Motor oil

Viscosity: ASTM D445 cSt at 40° C – 163

cSt at 100° C- 18.1

Viscosity Index: ASTM D2270- 123

API-Grade: SN



CITGO SUPERGARD Motor Oils are premium quality engine oils designed to provide optimum performance in highoutput gasoline (including turbocharged and supercharged) engines in passenger cars, vans, sport utility vehicles, and light trucks. The new technology incorporated in this latest generation lubricant enables it to exceed manufacturers' performance requirements. These engine oils demonstrate improved performance in today's advanced engine designs. CITGO SUPERGARD is available in both single and multi grades.

Qualities:

- Exceed latest SAE low-temperature pumping viscosity requirements.
- Provide improved performance in foaming control.
- Provide significantly greater engine cleanliness, wear protection and resistance to oil thickening.
- Protect against varnish buildup and sludge formation on critical engine parts.
- Control high-temperature deposits in critical ring belt area.
- Provide maximum protection against rust and corrosion.
- Meet SAE standards for high-temperature/high-shear rate viscosity.
- Extend engine life by controlling wear and deposit formation..

Applications:

CITGO SUPERGARD Motor Oils are recommended for passenger cars, sport utility vehicles, and light trucks operating on gasoline. CITGO SUPERGARD Motor Oils are also recommended for use in gasoline engines which have been converted to operate on compressed natural gas (CNG), liquefied natural gas (LNG), and liquefied petroleum gas (LPG—which includes propane and butane). Consult the vehicle owner's manual for proper engine lubricant selection.

*CITGO SUPERGARD Motor Oils are not recommended for use in diesel engines. CITGO CITGARD® Motor Oils are recommended for diesel applications.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)



Size: 1 Quart (946 ml)

Product type: Engine oil Viscosity: ASTMD445

cSt at 40° C- 118 cSt at 100° C- 15.6

Viscosity Index: ASTM D2270-139

API-Grade: CJ4

Dealership Form
ORDER NOW

CITGO CITGARD 600 Engine Oils use superior technology to protect low-emissions engines equipped with exhaust after-treatment systems and other new design features. These products meet the API CJ-4 heavy duty requirements as well as existing API Cl-4 PLUS and earlier categories.

Qualities:

- Formulated specifically for low emission engines equipped with EGR, DOC and SCR
- Provides advanced soot control utilizing SootArrest[™], soot dispersant chemistry
- Offers advantages for heavy duty commercial trucks and other diesel-fueled applications, including off-road equipment
- State-of-the-art wear control technology for reduced wear
- Exceptional oxidation and thermal protection for operating at extreme temperatures
- Extends diesel particulate filter (DPF) life SAE 10W-30 improves fuel economy and cold cranking lubrication

Performance Capabilities:

Equipment requiring API CJ-4, CI-4 PLUS, CI-4, CH-4/SN Detroit Diesel 93K218
Caterpillar ECF-3
Mack EO-O Premium Plus Cummins CES 20081
Volvo VDS-4
Mercedes 228.31

Applications:

Recommended for use in heavy-duty service in commercial trucks, agricultural equipment, construction equipment, stationary engines, and other diesel-fueled engine applications.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)



Size: 1 Gallon (3.785 Liters)

Product type: Engine oil Viscosity: ASTMD445

cSt at 40° C- 118 cSt at 100° C- 15.6

Viscosity Index: ASTM D2270-139

API-Grade: CJ4

Dealership Form
ORDER NOW

CITGO CITGARD 600 Engine Oils use superior technology to protect low-emissions engines equipped with exhaust after-treatment systems and other new design features. These products meet the API CJ-4 heavy duty requirements as well as existing API Cl-4 PLUS and earlier categories.

Qualities:

- Formulated specifically for low emission engines equipped with EGR, DOC and SCR
- Provides advanced soot control utilizing SootArrest[™], soot dispersant chemistry
- Offers advantages for heavy duty commercial trucks and other diesel-fueled applications, including off-road equipment
- State-of-the-art wear control technology for reduced wear
- Exceptional oxidation and thermal protection for operating at extreme temperatures
- Extends diesel particulate filter (DPF) life SAE 10W-30 improves fuel economy and cold cranking lubrication

Performance Capabilities:

Equipment requiring API CJ-4, CI-4 PLUS, CI-4, CH-4/SN Detroit Diesel 93K218
Caterpillar ECF-3
Mack EO-O Premium Plus Cummins CES 20081
Volvo VDS-4
Mercedes 228.31

Applications:

Recommended for use in heavy-duty service in commercial trucks, agricultural equipment, construction equipment, stationary engines, and other diesel-fueled engine applications.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)



Size: 1 PAIL (18.9 Liters)

Product type: Engine oil Viscosity: ASTMD445

cSt at 40° C- 118 cSt at 100° C- 15.6

Viscosity Index: ASTM D2270-139

API-Grade: CJ4

Dealership Form

ORDER NOW

CITGO CITGARD 600 Engine Oils use superior technology to protect low-emissions engines equipped with exhaust after-treatment systems and other new design features. These products meet the API CJ-4 heavy duty requirements as well as existing API Cl-4 PLUS and earlier categories.

Qualities:

- Formulated specifically for low emission engines equipped with EGR, DOC and SCR
- Provides advanced soot control utilizing SootArrest[™], soot dispersant chemistry
- Offers advantages for heavy duty commercial trucks and other diesel-fueled applications, including off-road equipment
- State-of-the-art wear control technology for reduced wear
- Exceptional oxidation and thermal protection for operating at extreme temperatures
- Extends diesel particulate filter (DPF) life SAE 10W-30 improves fuel economy and cold cranking lubrication

Performance Capabilities:

Equipment requiring API CJ-4, CI-4 PLUS, CI-4, CH-4/SN Detroit Diesel 93K218
Caterpillar ECF-3
Mack EO-O Premium Plus Cummins CES 20081
Volvo VDS-4
Mercedes 228.31

Applications:

Recommended for use in heavy-duty service in commercial trucks, agricultural equipment, construction equipment, stationary engines, and other diesel-fueled engine applications.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)



Size: 1 Drum (208.9 Liters)

Product type: Engine oil Viscosity: ASTMD445

cSt at 40° C- 118 cSt at 100° C- 15.6

Viscosity Index: ASTM D2270-139

API-Grade: CJ4

Dealership Form
ORDER NOW

CITGO CITGARD 600 Engine Oils use superior technology to protect low-emissions engines equipped with exhaust after-treatment systems and other new design features. These products meet the API CJ-4 heavy duty requirements as well as existing API CI-4 PLUS and earlier categories.

Qualities:

- Formulated specifically for low emission engines equipped with EGR, DOC and SCR
- Provides advanced soot control utilizing SootArrest[™], soot dispersant chemistry
- Offers advantages for heavy duty commercial trucks and other diesel-fueled applications, including off-road equipment
- State-of-the-art wear control technology for reduced wear
- Exceptional oxidation and thermal protection for operating at extreme temperatures
- Extends diesel particulate filter (DPF) life SAE 10W-30 improves fuel economy and cold cranking lubrication

Performance Capabilities:

Equipment requiring API CJ-4, CI-4 PLUS, CI-4, CH-4/SN Detroit Diesel 93K218
Caterpillar ECF-3
Mack EO-O Premium Plus Cummins CES 20081
Volvo VDS-4
Mercedes 228.31

Applications:

Recommended for use in heavy-duty service in commercial trucks, agricultural equipment, construction equipment, stationary engines, and other diesel-fueled engine applications.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO CitGard, 500 HSN (SAE 15W-40) API CI4



Size: 1 PAIL (18.9 Liters)

Product type: Engine oil Viscosity: ASTM D445

cSt at 40° C- 120 cSt at 100° C- 15.8

Viscosity Index: ASTM D2270-139

API-Grade: CI4

Dealership Form
ORDER NOW

CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is specially formulated for turbo charged diesel engines operating in severe conditions and using higher sulfur fuel. CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is designed to provide improved performance for older engines and newer engines that are not equipped with diesel particulate filters.

Qualities:

CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is formulated with a balanced base oil and additive combination to deliver optimum performance.in the critical areas of lubrication.

- The higher TBN (Total Base Number) formulation provides added corrosive wear protection to neutralize the harmful effects of fuel sulfur acid.
- The SAE 15W-40 multi-grade maintains a stable viscosity and protective oil film when operating at higher loads and temperatures.
- The performance benefits include overall engine cleanliness, reduced oil consumption and improved engine cold cranking start up protection.

Performance Capabilities:

Equipment requiring API CI-4/SL Cummins CES 20078 Caterpillar ECF-2

Applications:

CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is recommended for turbocharged and naturally aspirated diesel engines operating with higher sulfur fuel.

<u>Download</u>

Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO CitGard, 500 HSN (SAE 15W-40) API CI4



Size: 1 Drum (208.9 Liters)

Product type: Engine oil Viscosity: ASTM D445

cSt at 40° C- 120 cSt at 100° C- 15.8

Viscosity Index: ASTM D2270-139

API-Grade: CI4

Dealership Form

ORDER NOW

CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is specially formulated for turbo charged diesel engines operating in severe conditions and using higher sulfur fuel. CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is designed to provide improved performance for older engines and newer engines that are not equipped with diesel particulate filters.

Qualities:

CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is formulated with a balanced base oil and additive combination to deliver optimum performance.in the critical areas of lubrication.

- The higher TBN (Total Base Number) formulation provides added corrosive wear protection to neutralize the harmful effects of fuel sulfur acid.
- The SAE 15W-40 multi-grade maintains a stable viscosity and protective oil film when operating at higher loads and temperatures.
- The performance benefits include overall engine cleanliness, reduced oil consumption and improved engine cold cranking start up protection.

Performance Capabilities:

Equipment requiring API CI-4/SL Cummins CES 20078 Caterpillar ECF-2

Applications:

CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is recommended for turbocharged and naturally aspirated diesel engines operating with higher sulfur fuel.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO Pacemaker GEO 1940XL



Size: 1 Drum (208.9 Liters)

Product type: Engine oil Viscosity: ASTM D445

cSt at 40° C- 126.7 cSt at 100° C- 13.6

Viscosity Index: ASTM D2270-103

API-Grade: CI4

Dealership Form
ORDER NOW

CITGO Pacemaker Gas Engine Oil (GEO) 1900 XL series are next-generation, premium-performance low ash and low phosphorus lubricants for stoichiometric and lean-burn stationary natural gas engines. CITGO Pacemaker GEO 1900 XL series are designed for highly loaded 4-cycle natural gas engines operating under severe conditions and provides premium performance over older technology lubricants in high nitration conditions typically found in stoichiometric engine operation.

Qualities:

- Exceptional resistance to oxidation and nitration
- Extended oil drain intervals capability (up to two times vs. other premium oils operating in severe conditions) helps maximize production and lowers operating cost through less down time, and reduced lubrication cost
- Exceptional deposit control and protection against piston scuffing and ring and liner wear
- TBN retention to neutralize combustion acids from sour gas
- Minimized valve recession for longer head life
- Improved TAN control
- Catalyst compatible

Performance Capabilities:

Equipment requiring API CI-4/SL Cummins CES 20078 Caterpillar ECF-2

Applications:

CITGO Pacemaker GEO 1900 XL series low ash lubricants meet rigorous demands of modern natural gas engines operating in a variety of natural gas fuel qualities.

Recommended for high and medium speed 4-cycle engines manufactured by:

- Caterpillar
- Waukesha
- Superior
- Jenbacher
- Wärtsilä
- Worthington (low-speed engines)

- Cooper-Bessemer (low-speed engines)
- Cummins
- Dresser-Rand (Categories I, II, III)

<u>Download</u>

Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO SuperGard ATF+4 Full Synthetic MV



Size: 1 Quart (946 ml)

Product type: Automatic Transmission

Fluid

Viscosity: ASTM D445

cSt at 40° C- 34.49

cSt at 100° C- 7.5

API-Grade: Multi-Vehicle

Dealership Form
ORDER NOW

CITGO TRANSGARD ATF+4 is a full synthetic automatic transmission fluid recommended for use in Chrysler vehicles. It has been extensively tested and approved by Chrysler under material specification MS-9602.

Qualities:

- Full Synthetic Formulation provides outstanding protection under the most demanding conditions.
- Superior wear protection and anti-shudder durability, resulting in a more consistent viscosity profile for improved shift performance and extended transmission life.
- Improved Low Temperature Operating Range to provide smoother shifts and reduce wear on transmission components during cold weather operation.
- Increased Oxidation and Thermal Stability to prevent sludge formation and thereby maintain good transmission operation even after extended service at high temperatures.
- Extended Drain Intervals over previous ATF+3 standard.

Applications:

CITGO TRANSGARD ATF+4 has been tested and approved for use by FCA US LLC. It is recommended for top-up and refill of all automatic transmissions in Dodge, Chrysler and Jeep vehicles where ATF+4, ATF+3 or MS 7176 are called for.

Do not use ATF+4 where DEXRON®-III, DEXRON®-IIE, or MERCON® automatic transmission fluid is recommended. Consult owner's manual for fluid recommendations.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO HyDurance AW Fluid 68



Size: 1 Drum (208.9 Liters)

Product type: Fluid Viscosity: ASTM D445

> cSt at 40° C- 68 cSt at 100° C- 9.0

API-Grade: 68

Dealership Form
ORDER NOW

Applications:

CITGO HyDurance AW Fluids are recommended for service in industrial and mobile hydraulic sytems when used in accordance with equipment manufacturers' recommendations. They are designed to provide maximum service life to vane, piston, and gear pumps as well as other circuit components such as motors and servos.

CITGO HyDurance AW Fluids are also recommended for use as a gear and bearing lubricant in industrial applications

where rust and oxidation inhibited oils are required. Consult owner's manual forproper lubricant selection.

CITGO HyDurance AW Fluids meet:

- ASTM D6158 HM (2005)
- Fives Cincinnati P-68, 69, 70
- Parker Denison HF-0 (Revision J)
- DIN 51524-2 (2006)
- Eaton Brochure 03-401-2010
- General Motors LS-2 (1997)
- JCMAS HK P041 (2004)
- ISO 11158 HM (FDIS 2008)
- SEB 181 222 (2007)
- US Steel 126, 127, 136

Notes:

- ASTM D2893 Brookfield Viscosity.
- 30 minutes max. separation time to ≤3ml emulsion. Test temperature is 130°F for grades up through ISO 68. Test temperature is 180°F for ISO 100 and 150.
- Pass No Rust.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO Premium Gear Oil (SAE 85W-140) API GL-5



Size: 1 Drum (208.9 Liters)

Product type: Premium Gear Oil

Viscosity: ASTM D445

cSt at 40° C- 365

cSt at 100° C- 26.9

API-Grade: GL5



CITGO Premium Gear Oils (MP) are multipurpose gear lubricants whose high performance level is obtained by using a sulfur-phosphorus additive system. The selected additives impart extreme pressure properties to protect automotive gears which may be operated under the most severe service conditions encountered in passenger cars, trucks, farm tractors, earth moving, construction and other heavy-duty equipment. These additives specifically impart antiweld, antiscuff and antiwear properties necessary in heavy-duty service gear lubricants.

API Service Classification: GL-5 and MT-1;

SAE J2360 pending

Qualities:

CITGO Premium Gear Oils (MP) are blended to meet the multigrade viscosity requirements described in SAE J306 viscosity recommended practice. These gear lubricants are formulated with naturallyhigh VI, highly refined base oils and do not require viscosity index improvers to meet multigradeviscometric properties. These lubricants maintain their viscometric properties throughout their usefullife and will not lose viscosity through shear.

Viscosity Grades Available:

SAE 80W-90 grade for use at ambient temperatures down to -15°F.

SAE 85W-140 grade for use at ambient temperatures down to +10°F.

Equipment manufacturers' recommendations should be followed when the gear lubricant is subject to high ambient temperatures. While some gear sets are designed for year-round operation using an SAE 80W-90, others may require SAE 85W-140 for high ambient temperature operations during the hot weather months.

CITGO Premium Gear Oils (MP) exceed the severe gear performance requirements of Military Specifications SAE J2360, as well as former MIL-PRF-2105E and MIL-L-2105D. They are designated for API Service Classification GL-5 and MT-1.

CITGO Premium Gear Oils (MP) meet Mack Trucks GO-J Specification.

Applications:

CITGO Premium Gear Oils (MP) are recommended for the following applications:

- Where "multipurpose" gear oil or one meeting the requirements of SAE J2360, API Service GL-5 and/or MT-1 is required.
- In transmissions, differentials, final drives and other gear cases of trucks, buses and farm equipment where extreme pressure (EP), hypoid or multipurpose gear oils are specified by the manufacturer.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO AW Hydraulic 46



Size: 1 Drum (208.9 Liters)

Product type: Premium Gear Oil

Viscosity: ASTM D445

cSt at 40° C- 46.6 cSt at 100° C- 6.96

API-Grade: 46



CITGO A/W Hydraulic Oils are superior anti-wear hydraulic and circulating fluids specially formulated with thermally stable additives. These oils offer outstanding resistance to sludge formation, chemical stability, and anti-wear protection.

Qualities:

CITGO A/W Hydraulic Oils are designed for service in high-pressure, high-output industrial hydraulic circuits. CITGO A/W Hydraulic Oils:

- Utilize thermally stable zinc-based additives, helping to protect against heat-related sludge formation in sensitive electro-hydraulic servo valves. These oils are recommended for use in CNC machine tools and other high-output equipment where sustained heat is prevalent.
- Inhibited against rust in both fresh and sea water and pass both Procedures A and B of the ASTM D665 Rust Test.
- Approved against stringent performance requirements including Eaton Brochure 03-401-2010(formerly Vickers 2950-S, I-286-S), Fives Cincinnati P-68, P-69, and P-70, and Parker Denison HF-O Revision J.
- Resist foaming and will not foster abnormal air entrainment in properly designed hydraulic circuits.
- Readily separate water, allowing water contamination to be drained from the sump.

Applications:

CITGO A/W Hydraulic Oils are recommended for service in vane, piston, and gear pumps when used in accordance with equipment manufacturers' recommendations. Designed to provide excellent service life to these pumps as well as to other circuit components such as motors and servos.

CITGO A/W Hydraulic Oils are also recommended for use as a gear and bearing lubricant in industrial applications where rust and oxidation inhibited oils are required.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO AW Hydraulic 68



Size: 1 Drum (208.9 Liters)

Product type: Premium Gear Oil

Viscosity: ASTM D445

cSt at 40° C- 71.8 cSt at 100° C- 10.7

API-Grade: 68

Dealership Form

ORDER NOW

CITGO AW 68 Mining Hydraulic Oil is an anti-wear hydraulic and circulating oil.

Qualities:

CITGO CITGO AW 68 Mining Hydraulic Oil offers:

- Wear Protection
- Rust and Corrosion Protection
- Anti Foam Performance
- High Viscosity Index

Applications:

CITGO AW 68 Mining Hydraulic Oil is recommended for service in surface and underground mining equipment. CITGO AW 68 Mining Hydraulic Oil is also recommended for industrial applications where an anti-wear, rust and oxidation inhibited oil is desired.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)

CITGO Regular Gear Oil (SAE 90) API GL-1



Size: 1 Drum (208.9 Liters)

Product type: Premium Gear Oil

Viscosity: ASTM D445

cSt at 40° C- 200 cSt at 100° C- 17

API-Grade: GL1

Dealership Form

ORDER NOW

This lubricant is designed for some manually operated transmissions and spiral-bevel axles operatingunder mild conditions. CITGO Regular Gear Oil is made from high quality mineral oil and selected inhibitors.

API Service Classification GL-1.*

Qualities:

CITGO Regular Gear Oil utilizes high quality, refined base oils. Additives are incorporated to provide oxidation, corrosion and foam inhibition not normally achieved with straight mineral oil. Friction modifiers and extreme pressure agents are not employed in GL-1 oils.

Applications:

CITGO Regular Gear Oil is recommended for use in certain transmissions, final drives and miscellaneous applications in bearing and gear lubrication of mobile equipment where GL-1 or straight mineral oil is specified by the manufacturer.

*CITGO Premium Gear Oil (MP) is recommended for hypoid axles and other automotive applications requiring an extreme pressure lubricant for GL-5 service.



Product Information Sheet (PI Sheet)

Safety Data Sheet (SD Sheet)