



Automotive, Heavy Duty and Industrial Lubricants



PERFORMANCE PLUS[®] LUBRICANTS: PERFORM

Performance Plus lubricants are built using the best base oils in the business and are formulated to protect and perform under the most severe conditions. And we have the science to prove it.

Our meticulously engineered products are put to the test every day and exceed expectations in a variety of extreme applications ranging from military combat vehicles to NASCAR tracks to some of the largest fleets in the world, including our own.

Whether it's rugged durability, maximum performance or extreme protection you're looking for, the experts are choosing Performance Plus. Now you can, too.



ANCE UNDER THE MOST EXTREME CONDITIONS.



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A high-contrast, black and white photograph of an engine's internal components, specifically a cylinder and piston assembly. The image is dark and moody, with dramatic lighting that highlights the metallic textures and complex shapes of the engine parts. The piston is positioned in the center, with the cylinder walls on either side. The overall composition is centered and symmetrical, emphasizing the mechanical precision of the engine.

AUTOMOTIVE MOTOR OILS

AUTOMOTIVE MOTOR OILS



PRODUCT	SYNTHETIC BLEND MOTOR OILS	SYNTHETIC BLEND HIGH MILEAGE MOTOR OILS
	High-performance synthetic blend engine oils designed with superior Group II+ base oils and high-quality additives to provide better low-temperature performance and protection.	Performance-driven synthetic blend engine oils formulated to offer outstanding protection and meet the requirements of higher mileage engines (more than 75,000 miles).
SERVICE CATEGORY SPECIFICATION	API SN Plus/ILSAC GF-5* API SP/ILSAC GF-6A	API SN Plus/ILSAC GF-5* API SP/ILSAC GF-6A
AVAILABLE GRADES	5W-20 5W-30 10W-30	5W-30 10W-30
FEATURES & BENEFITS	<ul style="list-style-type: none"> • Formulated to provide excellent performance • Provides protection against sludge and deposits at all operating temperatures • Engineered to improve fuel economy • Prolongs engine life by reducing cold start flow • Designed to protect engines against low-speed pre-ignition (LSPI) in turbo-charged gasoline direct injection engines (TGDI) (SN Plus) 	<ul style="list-style-type: none"> • Optimizes performance in older vehicles or those with more than 75,000 miles • Formulated with special seal conditioning agents to reduce oil leaks • Designed to combat power and performance loss • Enhanced additives to prevent thermal breakdown • Designed to protect engines against low-speed pre-ignition (LSPI) in turbo-charged gasoline direct injection engines (TGDI) (SN Plus)
APPROVALS/SPECIFICATIONS MET	<ul style="list-style-type: none"> • Ford WSS-M2C-946-B1 (5W-30) • Ford WSS-M2C-945-B1 (5W-20) • General Motors 6094M 	<ul style="list-style-type: none"> • Ford WSS-M2C-946-B1 (5W-30) • General Motors 6094M
AVAILABLE CONFIGURATIONS	<ul style="list-style-type: none"> • Case Goods • Drum • Tote • Bulk 	<ul style="list-style-type: none"> • Case Goods • Drum • Tote • Bulk

* Available while supplies last

AUTOMOTIVE MOTOR OILS



PRODUCT	FULL SYNTHETIC MOTOR OILS		FULL SYNTHETIC dexos1™ Gen 2 MOTOR OILS	
	Premium full synthetic engine oils formulated from a combination of advanced quality performance additives and superior base oils rendering extreme protection and performance.		Premium full synthetic engine oils engineered using cutting-edge technology to meet the latest licensing requirements for General Motors and their global engine oil specification (dexos1™ Gen 2).	
SERVICE CATEGORY SPECIFICATION	API SN Plus/ILSAC GF-5* API SP/ILSAC GF-6A		API SN Plus/ILSAC GF-5* API SP/ILSAC GF-6A	
AVAILABLE GRADES	0W-20 5W-20 5W-30		0W-20 5W-20 5W-30	
FEATURES & BENEFITS	<ul style="list-style-type: none"> • Designed to preserve optimal protection and power • Increases the engine life with superior protection against wear, heat and sludge deposits • Provides for longer drain intervals and improves engine cleanliness • Helps improve fuel economy with special additives and reduces oil consumption • Designed to protect engines against low-speed pre-ignition (LSPI) in turbo-charged gasoline direct injection engines (TGDI) (SN Plus) 		<ul style="list-style-type: none"> • Officially licensed and certified for General Motors dexos1™ Gen 2 specifications to perform under severe operating conditions • Provides outstanding engine protection, excellent fuel economy and unsurpassed engine cleanliness • Engineered to provide maximum performance, power and protection • Designed to protect engines against low-speed pre-ignition (LSPI) in turbo-charged gasoline direct injection engines (TGDI) 	
APPROVALS/ SPECIFICATIONS MET	<ul style="list-style-type: none"> • Ford WSS-M2C-947-B1 (0W-20) • Ford WSS-M2C-946-B1 (5W-30) • Ford WSS-M2C-945-B1 (5W-20) • General Motors 6094M 		<ul style="list-style-type: none"> • dexos1™ Gen 2 • Certificate No. D10412HG076 (0W-20) • Certificate No. D130EABC076 (5W-20) • Certificate No. D10415HG076 (5W-30) • General Motors 6094M • Ford WSS-M2C-947-B1 (0W-20) • Ford WSS-M2C-946-B1 (5W-30) • Ford WSS-M2C-945-B1 (5W-20) • Chrysler MS-6395 	
AVAILABLE CONFIGURATIONS	<ul style="list-style-type: none"> • Case Goods • Drum • Tote • Bulk 		<ul style="list-style-type: none"> • Case Goods • Drum • Tote • Bulk 	

* Available while supplies last



PRODUCT **FULL SYNTHETIC EURO SPEC MOTOR OILS**

Premium full synthetic euro spec engine oils formulated using cutting edge technology, advanced base oils, and quality performance additives. These Full SAPS products meet the specifications of the major European OEMs.

SERVICE CATEGORY SPECIFICATION

API SN | ACEA A3/B4

AVAILABLE GRADES

0W-40
5W-40

FEATURES & BENEFITS

- Designed with Full SAPS formulation to minimizing emissions for all engine types
- Formulated to restrict sludge formation and promote engine cleanliness and performance
- Provides versatile, thermally stable performance over a wide temperature range
- Exceptional cold-crank properties aid in protecting engines and extending life
- Designed to work in vehicles with DPFs (diesel particulate filters) and three-way catalytic systems

APPROVALS/ SPECIFICATIONS MET

- BMW LL-01
- Volkswagen 505.00
- Volkswagen 502.00
- Peugeot PSA B71 2296 (5W-40)
- OPEL GM-LL-B-025 (5W-40)
- Mercedes-Benz 229.5
- Mercedes-Benz 229.3
- Mercedes-Benz 229.1 (0W-20)
- Porsche A40
- Renault RN0710
- Renault RN0700

AVAILABLE CONFIGURATIONS

- Drum
- Tote
- Bulk



AUTOMATIC TRANSMISSION FLUIDS

AUTOMATIC TRANSMISSION FLUIDS



PRODUCT

AUTOMATIC TRANSMISSION FLUID (ATF DEX III/MERCON)

Quality transmission fluid formulated to reduce wear, protect against corrosion, and last longer in vehicles with automatic and power-shift transmissions.

FEATURES & BENEFITS

- Excellent frictional characteristics to provide smooth gear shifts, prevent clutch shudder, and protect clutch plates and bands
- Outstanding anti-wear protection to extend the life of the transmission by reducing bushing, gear and bearing wear
- Excellent oxidation and thermal stability to extend life and improve fuel economy
- Provides protection at cold temperature start-ups with excellent low-temperature fluidity properties
- Excellent compatibility with all common seal materials

APPROVALS/ SPECIFICATIONS MET

Recommended for domestic and imported transmissions that specify the following:

- Ford MERCON®
- Ford ESP-M2C138-CJ
- Ford ESP-M2C166-H
- Ford Type A Suffix A
- Caterpillar TO-2 fluids
- DEXRON® III
- DEXRON® IIE
- DEXRON®
- Allison C-3/C-4

AVAILABLE CONFIGURATIONS

- Case Goods
- Drum
- Tote
- Bulk

FULL SYNTHETIC MULTI-VEHICLE AUTOMATIC TRANSMISSION FLUID

Premium full synthetic transmission fluid formulated with a unique combination of synthetic base stocks and advanced additives to ensure peak performance in the latest automatic transmissions.

- Outstanding oxidation and thermal stability properties to prevent the formation of sludge and deposits, improving cleanliness, and extending life
- Excellent low- and high-temperature properties to protect at cold temp start-ups and maintain viscosity at higher operating temperature
- Outstanding anti-wear protection to extend the life of the transmission by reducing bushing, gear and bearing wear
- Excellent friction properties for smooth shifting and the avoidance of clutch shudder and slippage

Recommended for domestic and imported transmissions that specify the following:

- DEXRON® VI Licensed
- MERCON® LV Licensed
- Honda Z-1
- Honda DW-1
- Hyundai SP-IV
- Nissan Matic J
- Nissan Matic S
- For a full list of approvals and applications, refer to Product Data Sheet

- Case Goods
- Drum
- Tote
- Bulk



HEAVY DUTY ENGINE OILS

HEAVY DUTY ENGINE OILS



PRODUCT HEAVY DUTY DIESEL ENGINE OILS

Heavy Duty Diesel Engine Oils specifically formulated for performance and to surpass the latest heavy duty OEM's severity requirements. It is recommended for the latest heavy duty diesel, gasoline, and propane engines including those equipped with emission control (EGR) and post treatment (DPF or DOC) systems and it is engineered to provide outstanding oxidation resistance, improved wear protection and exceptional thermal stability.

SERVICE CATEGORY SPECIFICATION

API CK-4 | ACEA E9 | ACEA E7

AVAILABLE GRADES

10W-30
15W-40 SN

FEATURES & BENEFITS

- Excellent engine protection to reduce piston deposits to provide cleanliness and fuel efficiency
- Excellent resistance to viscosity and thermal breakdown at high operating temperatures
- Outstanding soot control for protection against abrasive wear and soot-induced oil thickening
- Reduced valve train wear to optimize engine output
- Drain intervals can be extended as a result of reduced oxidative thickening
- Protects against rust and bearing corrosion and the formation of sludge and varnish

APPROVALS/ SPECIFICATIONS MET

Recommended for heavy duty diesel engines that specify the following:

- | | | |
|-----------------------------|---------------------|------------------------|
| • Detroit Diesel DFS 93K222 | • Volvo VDS-4.5 | • MTU Category 2.1 |
| • Detroit Diesel DFS 93K218 | • Volvo VDS-4 | • Caterpillar ECF-3 |
| • Ford WSS M2C171-F1 | • Cummins CES 20081 | • Caterpillar ECF-2 |
| • Mack EO-S 4.5 | • Cummins CES 20086 | • Mercedes-Benz 228.31 |
| • Mack EO-O Premium Plus | • Renault RLD-3 | • Mercedes-Benz 228.3 |
| • Mack EO-N Premium Plus | • Renault RLD-4 | • Deutz DQC III-10 LA |

APPLICATIONS

Recommended for use in heavy duty diesel engines as well as light trucks and passenger cars with diesel engines that specify a CK-4, CJ-4 or earlier service categories. Vehicles include:

- Over-the-road fleets with EGR and DPF engines
- Municipal service and school district bus fleets
- Automobiles, light and medium duty diesel trucks
- Construction and farm equipment such as tractors, bulldozers, front-end loaders and excavators
- Logging equipment such as skidders, feller bunchers, harvesters and loaders

AVAILABLE CONFIGURATIONS

- | | | |
|--------------|--------|--------|
| • Case Goods | • Drum | • Bulk |
| • Pail | • Tote | |

HEAVY DUTY ENGINE OILS



PRODUCT	FULL SYNTHETIC HEAVY DUTY DIESEL ENGINE OIL Full Synthetic Heavy Duty Diesel Engine Oil engineered to provide outstanding high- and low-temperature protection, superior wear protection and cleanliness, and enhanced friction reduction. Formulated using synthetic base oils; it is recommended for the latest heavy duty diesel, gasoline, and propane engines as it delivers improved fuel economy, extended drain intervals, superior wear protection, oxidation and deposit control.
SERVICE CATEGORY SPECIFICATION	API CK-4/SN ACEA E9 ACEA E7 ACEA E4 ACEA E2
AVAILABLE GRADES	5W-40
FEATURES & BENEFITS	<ul style="list-style-type: none"> • Excellent engine protection to reduce piston deposits to provide cleanliness and maintain engine power and fuel efficiency • Drain intervals can be extended as a result of reduced oxidative thickening • Protects against rust and bearing corrosion and the formation of sludge and varnish • Reduced valve train wear helps to optimize engine output • Outstanding soot control for protection against abrasive wear and soot-induced oil thickening
APPROVALS/ SPECIFICATIONS MET	Recommended for heavy duty diesel engines that specify the following: <ul style="list-style-type: none"> • Caterpillar ECF-3 • Caterpillar ECF-2 • Cummins CES 20086 • Cummins CES 20081 • Detroit Diesel DFS 93K222 • Detroit Diesel DFS 93K218 • Renault Truck RLD-4 • Volvo VDS-4.5 • Volvo VDS-4 • Mack EO-S 4.5 • Mack EO-O Premium Plus • Deutz DQC III-10 LA • Deutz DQC III-10 • Deutz DQC III-05 • Ford WSS M2C171-F1 • Ford WSS M2C171-E • Mercedes-Benz 228.31 • Mercedes-Benz 228.3 • MTU Type 2.1 • MTU Type II
APPLICATIONS	Recommended for use in heavy duty diesel, light trucks, and passenger cars with diesel engines that specify a CK-4, CJ-4, or earlier service categories. Vehicles includes: <ul style="list-style-type: none"> • Over-the-road fleets with EGR and DPF engines • Automobiles, light and medium duty diesel trucks • Municipal service and school district bus fleets • Stationary engines powering pumps, generators and drilling rigs • Logging equipment such as skidders, feller bunchers, harvesters and loaders • Construction and farm equipment such as tractors, bulldozers, front-end loaders and excavators
AVAILABLE CONFIGURATIONS	<ul style="list-style-type: none"> • Case Goods • Pail • Drum • Tote • Bulk



PRODUCT **NATURAL GAS ENGINE OIL**

Performance Plus Natural Gas Engine Oil is recommended for use in natural gas engines and is specifically engineered to provide reliable protection for trucks and buses using Compressed Natural Gas (CNG) or Liquefied Natural Gas (LNG). It is formulated to provide excellent oxidation and thermal stability to perform under the most severe operating conditions.

SERVICE CATEGORY SPECIFICATION

Not Applicable

AVAILABLE GRADES

15W-40

FEATURES & BENEFITS

- Alternative fuel delivers great performance for medium and heavy duty vehicles using Compressed Natural Gas (CNG) or Liquefied Natural Gas (LNG)
- Formulated with high VI base oils and a low ash additive package to provide long service life in CNG and LNG engines operating under high-temperature and stressful conditions
- Excellent anti-wear characteristics to prevent wear and scuffing of liners and pistons
- Provides excellent protection at low start-up conditions as well as protection at high operating temperatures
- Superior thermal stability and oxidation resistance provide extended service life for both the engine and the oil

APPROVALS/ SPECIFICATIONS MET

Recommended for natural gas engines that specify the following:

- | | | |
|------------------------|-----------------------------------|-----------------------|
| • Cummins CES 20074 | • Detroit Diesel Series 50G | • Mercedes-Benz 226.9 |
| • Cummins B5.9G | • Detroit Diesel Series 60G | • Renault RGD |
| • Cummins C8.3G | • Navistar LNG Maxxforce® DT 7.6L | • Hyundai CNG |
| • Cummins ISL G (8.9L) | • Navistar LNG Maxxforce® 13L | • Isuzu CNG |
| • Cummins ISX12 G | • Volvo CNG | • Hino CNG |
| • Cummins ISX15 G | • Mack CNG | |

APPLICATIONS

Recommended for use in various types of vehicles using CNG or LNG engines as an alternate fuel and includes:

- Over-the-road fleets
- Delivery fleets
- Municipal transit fleets
- Cement and waste truck fleets
- Light duty pickup trucks
- Also recommended for use in various types of stationary equipment used to power gas compressors, standby electric generators and fire, water and irrigation pumps powered by CNG or LNG engines

AVAILABLE CONFIGURATIONS

- Drum
- Tote
- Bulk



HEAVY DUTY DRIVELINE FLUIDS

HEAVY DUTY DRIVELINE FLUIDS



<p>PRODUCT</p>	<p>FULL SYNTHETIC (TES-295® & TES-389®) TRANSMISSION FLUID</p> <p>A fully synthetic fluid formulated to protect transmissions against corrosion, oxidation and deposits delivering smooth shifting and preventing wear. It not only exceeds the demanding requirements of the latest heavy duty automatic transmissions, it is also suitable for applications where comparable Allison TES-295® and TES-389® performance capability is specified. Providing outstanding power transfer and gear shifting performance, it is made to protect against thermal breakdown at high and sub-zero temperatures, offer excellent shear stability and provide outstanding performance in severe operating conditions.</p>	<p>FULL SYNTHETIC HEAVY DUTY 50W TRANSMISSION FLUID</p> <p>Full Synthetic Heavy Duty 50W Transmission Fluid is made using premium synthetic base oils and is designed to provide excellent protection, extend drain intervals, and provide outstanding performance under severe operating conditions for manual transmissions. It meets or exceeds the highest industry specifications and is recommended for light to severe duty on- and off-highway equipment operating year-round where non-EP gear oils are specified.</p>
<p>SERVICE CATEGORY SPECIFICATION</p>	<p>Allison TES-295® and TES-389® (Suitable for use.)</p>	<p>MT-1</p>
<p>AVAILABLE GRADES</p>	<p>Not Applicable</p>	<p>SAE 50W</p>
<p>FEATURES & BENEFITS</p>	<ul style="list-style-type: none"> • Superior friction traits to ensure smooth shifting, efficient power transfer and reduced shudder • Excellent protection against the formation of lacquers, sludge and other harmful deposits • Exceptional shear stability to ensure stay in-grade viscosity under harsh driving conditions and high operating temperatures • Extended drain intervals to reduce downtime • Excellent thermal and oxidation stability to ensure transmission cleanliness to extend life and performance under severe conditions 	<ul style="list-style-type: none"> • High VI, low pour point provides low-temperature fluidity for year-round protection in all types of climates through a wide temperature range • Extended drain capabilities to reduce downtime • Excellent thermal and oxidation stability to ensure transmission cleanliness to extend life and performance under severe conditions • Formulated to improve fuel economy as a result of the low friction and drag • Excellent corrosion control to protect against gear wear and corrosion of copper containing components
<p>APPROVALS/ SPECIFICATIONS MET</p>	<ul style="list-style-type: none"> • Allison 295® and 389® (Suitable for use.) • MAN 339 Type V1, Z1 • Mercedes-Benz 236.91 • Toyota T- II, III, IV • Volvo 97340, 97341, 97342 • ZF TE-ML 03D, 04D, 05L, 09, 11B, 14A, 14B, 16L, 17C 	<ul style="list-style-type: none"> • Eaton Roadranger PS-164 Rev. 7 • International TMS-6816 • ZF FreedomLine (ZF-AS Tronic) • Meritor O-81 • Mack TO-A Plus • Volvo 97305
<p>APPLICATIONS</p>	<p>Suitable for applications where Allison TES-295® and TES-389® oils are recommended in the following:</p> <ul style="list-style-type: none"> • Commercial vehicles and trucks • Emergency vehicles • On- and off-road highway vehicles • Municipal fleets, vans and school buses • Refuse (garbage) vehicles • Recreational vehicles/motor homes • Tour coaches 	<p>Suitable for applications that specify an API MT-1 fluid for extended drain intervals in the following:</p> <ul style="list-style-type: none"> • Construction equipment including bulldozers, front-end loaders and excavators • Various types of forestry equipment including skidders, harvesters and loaders • Mining industry equipment • On-highway heavy duty trucks and buses
<p>AVAILABLE CONFIGURATIONS</p>	<ul style="list-style-type: none"> • Case Goods • Drum • Pail • Tote 	<ul style="list-style-type: none"> • Pail • Keg • Tote

HEAVY DUTY DRIVELINE FLUIDS



PRODUCT **HEAVY DUTY TO-4 FLUIDS**

Performance Plus Heavy Duty TO-4 Fluids are premium quality transmission, final drive and hydraulic oils designed to deliver higher frictional characteristics as they are formulated to meet the specific frictional characteristics of Caterpillar and Allison Powershift Transmissions. These fluids extend equipment life, minimize downtime and optimize operation performance due to their advanced protection additives and characteristics which minimize wear and perform under severe operating conditions of high-temperature and heavy load.

SERVICE CATEGORY SPECIFICATION

Caterpillar TO-4

AVAILABLE GRADES

SAE 10W
SAE 30W
SAE 50W

FEATURES & BENEFITS

- Provides excellent shear stability to stay in grade providing long-term protection against equipment wear even during periods of high torque operation
- Superior frictional characteristics eliminate excessive brake noise, vibration and clutch slippage
- Excellent oxidative and thermal stability prevents the formation of varnish, deposits and sludge for clean operation and extended equipment life
- Provides anti-wear protection as well as protection against corrosion of copper and copper alloy parts
- Gear scuffing and scoring is prevented through the use of extreme pressure additives

APPROVALS/ SPECIFICATIONS MET

- Caterpillar TO-2 and TO-4
- Allison C-3 and C-4

APPLICATIONS

Suitable for applications where Caterpillar TO-2 and TO-4 or Allison C-3 or C-4 fluids are recommended in the following types of vehicles/equipment:

- Construction equipment including bulldozers, front-end loaders and excavators
- Off-road fork trucks
- Railway and mining equipment
- Road graders
- Cranes

AVAILABLE CONFIGURATIONS

- Pail
- Drum
- Tote





GEAR OILS

GEAR OILS



PRODUCT	CONVENTIONAL GEAR OILS	FULL SYNTHETIC GEAR OILS
	High-performance gear oils designed with superior Group II+ base oils and high-quality additives to provide performance under severe operating and high pressure conditions.	High-performance full synthetic gear oils formulated for all differentials including those equipped with slip or lock-up mechanisms using superior base oils and high-quality additives to provide performance under severe operating and extreme pressure conditions.
SERVICE CATEGORY SPECIFICATION	API GL-5/MT-1	API GL-5/MT-1
AVAILABLE GRADES	80W-90 85W-140	75W-90 75W-140
FEATURES & BENEFITS	<ul style="list-style-type: none"> • Excellent thermal stability and high-temperature oxidation to extend gear and bearing life • Formulated to minimize gear friction, reduce corrosion and prevent the formation of sludge • Effective low-temperature lubrication to reduce wear at cold temperature start-ups • Resists deposit formation to protect seals and prevent subsequent lubricant loss • Good resistance to foaming which maintains film strength for effective continuous lubrication 	<ul style="list-style-type: none"> • High VI, low pour point provides low-temperature fluidity for year-round protection in all types of climates through a wide temperature range • Extended drain capabilities to reduce downtime • Excellent thermal and oxidation stability to ensure transmission cleanliness to extend life and performance under severe duty • Fuel economy is improved as a result of the low friction and drag provided by the formulation • Excellent corrosion control to protect against gear wear and corrosion of components containing copper
APPROVALS/ SPECIFICATIONS MET	Meets the performance levels of the following: <ul style="list-style-type: none"> • Mack GO-G (80W-90) • Mack GO-H (80W-90) • Mack GO-J (80W-90) • Ford WSP-M2C197-A • Arvin Meritor 076-A • Arvin Meritor 076-D • SAE J2360 	Meets the performance levels of the following: <ul style="list-style-type: none"> • Mack Truck GO-G • Mack Truck GO-H • Mack Truck GO-J • Mack Truck GO-J Plus • MIL-PRF 2105E, 2105D • Ford WSL-M2C192A (75W-140) • Dana SHAE-256 Rev. C (75W-90) • Arvin Meritor O-76E (75W-90) • Extreme Pressure Hypoid Gears • SAE J2360
APPLICATIONS	Suitable for the following applications where heavy duty GL-5 gear oils are recommended: <ul style="list-style-type: none"> • Construction equipment such as bulldozers, excavators and front end loaders • Various types of forestry and mining equipment • For use in automotive and truck manual transmissions differentials, final drives and gearboxes • Off-road construction and agricultural equipment 	Suitable for the following applications where heavy duty GL-5 gear oils are recommended: <ul style="list-style-type: none"> • Off-road construction and agricultural equipment • Construction equipment such as bulldozers, excavators and front-end loaders • Applications where a limited slip gear oil is specified for synchromesh drive trains • Automotive and truck manual transmission differentials • Various types of forestry and mining equipment
AVAILABLE CONFIGURATIONS	<ul style="list-style-type: none"> • Pail • Drum • Tote 	<ul style="list-style-type: none"> • Pail • Keg • Tote



HYDRAULIC FLUIDS

HYDRAULIC FLUIDS



PRODUCT	ANTI-WEAR EXTENDED HYDRAULIC FLUIDS	ZINC FREE ANTI-WEAR HYDRAULIC FLUID
	<p>Formulated to exceed the performance requirements for an expanded range of hydraulic components. These fluids are intended for industrial applications where anti-wear lubricants specifically designed for systems subjected to high-pressure, high-temperature operating environments are required. The Performance Plus AW EX Series includes premium fluids capable of over 5,500 hours of service and surpass the needs of various manufacturers.</p>	<p>Engineered using a zinc free formula, with premium base oil to provide excellent protection in mobile and stationary industrial applications. Containing ashless additives designed to protect against wear, provide exceptional water separability, oxidation stability, and prevent rust and corrosion. The fluids are recommended for use in severe, high-pressure applications.</p>
AVAILABLE GRADES	AW EX 32 AW EX 46 AW EX 68	AW 46
FEATURES & BENEFITS	<ul style="list-style-type: none"> • Excellent oxidation and thermal stability to resist breakdown at high operating temperatures, improve cleanliness, and reduce deposits extending oil and filter life • Exceptional anti-wear and corrosion properties extending equipment life which reduces maintenance and mechanical failures • Addition of demulsifiers protects the system from water which may be present in the system • Excellent oxidation hours contribute to longer oil life extending the drain intervals while reducing the costs to change out the system 	<ul style="list-style-type: none"> • Formulated with ashless chemistry for use where water course or aquifer sensitivity exists • Superior wear protection to deliver maximized equipment life and reduced maintenance costs • Excellent oxidation stability to extend the oil drain interval resulting in reduced disposal costs and improved efficiency • Good sludge and particulate control for improved filterability resulting in less downtime • Provides improved protection of critical components with tight tolerances such as servo-valves and pumps
APPROVALS/ SPECIFICATIONS MET	<ul style="list-style-type: none"> • Eaton-Vickers 35VQ25A, M-2950-S, I-286-S • Parker Hannifin HF-0, HF-1, HF-2 • Ford M6C32 • General Motors LS2 • Fives P-68, P-70, P-69 • DIN 51524 Part 2, HLP • German Steel Industry SEB 181222 • Parker Hannifin HF-0, HF-1, HF-2 • General Motors LS2 • US Steel 126, 127, 136 • ASTM D6158, HM • ISO 11158, HM • SAE MS1004, HM 	<ul style="list-style-type: none"> • Eaton-Vickers 35VQ25A, M-2950-S, I-286-S • Ford M6C32 • Fives P-70 • DIN 51524 Part 2, HLP • SAE MS1004, HM • German Steel Industry SEB 181222 • Parker Hannifin HF-0, HF-1, HF-2 • General Motors LS2 • US Steel 126, 127, 136 • ASTM D6158, HM • ISO 11158, HM
APPLICATIONS	<p>Suitable for use in high speed, high pressure vane, gear and piston pumps where the approvals above are recommended or required.</p>	<p>Suitable for use in industrial and mobile hydraulic systems where metal concentrations are a concern and where the approvals above are recommended.</p>
AVAILABLE CONFIGURATIONS	<ul style="list-style-type: none"> • Pail • Drum • Tote • Bulk 	<ul style="list-style-type: none"> • Pail • Drum • Tote • Bulk



PRODUCT UNIVERSAL TRACTOR FLUID

High-performance premium transmission/differential/hydraulic fluid with superior anti-wear properties recommended for use in transmissions (powershift, hydrostatic or manual), differentials, final drives, wet brakes/clutches, power steering, PTO drives commonly used in farm and construction equipment, off-highway vehicles and industrial tractors.

AVAILABLE GRADES Not Applicable

- FEATURES & BENEFITS**
- Superior protection against scuffing and wear on metal surfaces to extend equipment life
 - Reduces costs when used in systems that use a common oil reservoir to operate power-steering units, brakes and transmissions
 - Seal and o-ring compatibility to reduce oil leakage
 - Exceptional frictional characteristics to reduce brake chatter and transmission slippage which provides for smooth equipment operation and noise reduction
 - Protects against rust and corrosion during periods of high humidity as well as when the equipment is being stored

- APPROVALS/ SPECIFICATIONS MET**
- API GL-4
 - Vickers 35VQ25
 - Ford New Holland M2C-48B, M2C-48C, M2C-86C, M2C-134D
 - Allison C-3, C-4
 - Cat TO-2
 - Deere J20A, J20C
 - Kubota B6

APPLICATIONS For use as a multi-functional hydraulic fluid in many types of tractors and other equipment where the approvals above are recommended.

- AVAILABLE CONFIGURATIONS**
- Pail
 - Drum
 - Tote
 - Bulk



GREASES



PRODUCT ALL-PURPOSE LITHIUM GREASES

All-Purpose Lithium is a premium grease ideal for use in light duty industrial and commercial applications due to its ability to provide water-resistant rust protection and its general lubrication benefits.

GRADE & SPECIFICATION NLGI 2 | NLGI 1
LB

FEATURES & BENEFITS

- Excellent performance and pumpability in cold temperatures
- Provides excellent rust and corrosion protection
- Resists water washout and run out

APPLICATIONS Ideal for use in applications calling for a lithium grease with good corrosion protection, water resistance, oxidative stability and wear protection:

- Light Duty Automotive
- Paper Manufacturing
- Industrial applications
- Agriculture

AVAILABLE CONFIGURATIONS

- Case Goods
- Pail
- Keg
- Drum

CONSTRUCTION RED GREASES

Construction Red Grease is engineered for extended use in many agricultural, construction, mining, quarries and industrial applications. It provides extreme pressure protection against spalling and wear, as well as excellent protection against rust and corrosion. It is ideal for heavy duty applications and meets the latest equipment requirements.

NLGI 2 | NLGI 1
LB

- Engineered for high temp performance with a dropping point of >500 ° F
- Extreme pressure additives withstand heavy and shock-loading applications
- Excellent protection against abrasive and adhesive wear, rust and corrosion
- Superior tackiness keeps grease in application longer and resists run out/wash out

Ideal for use in a variety of on- and off-road equipment across a wide variety of applications:

- Heavy duty on- and off-road construction
- Mining and quarries
- Forestry and agriculture
- Automotive ball joints, universal joints, water pumps, fifth wheels, conventional sleeve bearings, ball and roller anti-friction bearings and wheel bearings
- Steel Mills

- Case Goods
- Pail
- Keg
- Drum

GREASES



PRODUCT	<h2>HI-TEMP LITHIUM GREASES</h2>	<h2>MOLY SUPREME WITH 5% MOLY GREASES</h2>
<p>Hi-Temp Lithium Grease offers extreme pressure protection while meeting the industry standards for heavy duty lubrication of over-the-road trucks, light duty off-highway equipment and commercial applications. It is designed to protect equipment subject to shock loads and plenty of wear and tear as they log thousands of miles across the country.</p>	<p>Moly Supreme with 5% Moly Grease meets or exceeds requirements for construction equipment requiring 5% moly. It provides extreme pressure protection as well as a tenacious lubricating film for moving parts and is ideal for use in a variety of construction, mining, quarries and severe duty industrial applications where film strength, operating temperatures, stability and lubricant life are important.</p>	
<p>GRADE & SPECIFICATION</p>	<p>NLGI 2 NLGI 1 GC-LB</p>	<p>NLGI 2 NLGI 1 LB</p>
<p>FEATURES & BENEFITS</p>	<ul style="list-style-type: none"> • Engineered for high temp performance with a dropping point of 500° F • Excellent performance and pumpability in cold temperatures • Superior surface adhesion resists water washout • Fortified with extreme pressure additives 	<ul style="list-style-type: none"> • Engineered for high temp performance with a dropping point of >500° F • Superior tackiness keeps grease in application longer and resists run out/wash out • Extreme pressure additives withstand heavy and shock loading applications • Excellent protection against abrasive and adhesive wear, as well as rust and corrosion • Meets Caterpillar requirements for 5% Moly grease
<p>APPLICATIONS</p>	<p>Ideal for use in heavy duty over-the-road equipment and light duty off-highway applications.</p> <ul style="list-style-type: none"> • Heavy duty on- and off-road construction • Heavy-duty chassis lubrication, ball joints, and universal joints, ball and roller bearings, disc and drum wheel bearings and fifth wheels • Industrial Applications • Steel Mills 	<p>Ideal for use in a variety of on- and off-road equipment across a wide variety of applications:</p> <ul style="list-style-type: none"> • Heavy duty on- and off-road construction and trucking • Mining and quarries • Forestry and agriculture • Automotive ball and roller anti-friction bearings, wheel bearings, ball joints, universal joints, water pumps, fifth wheels and conventional sleeve bearings • Steel Mills
<p>AVAILABLE CONFIGURATIONS</p>	<ul style="list-style-type: none"> • Case Goods • Pail • Keg • Drum 	<ul style="list-style-type: none"> • Case Goods • Pail • Keg • Drum



PRODUCT **ULTRA CALCIUM SULFONATE WITH 5% MOLY GREASE**

Ultra Calcium Sulfonate with 5% Moly Grease is engineered with calcium sulfonate thickener and fortified with 5% moly to provide premium protection to meet or exceed the latest OEM requirements for construction equipment. It is ideal for use in a variety of extended and extreme service applications. It provides: excellent anti-wear and extreme pressure properties; rust and corrosion protection; exceptional water washout resistance, as well as oxidation and shear stability for long life.

GRADE & SPECIFICATION NLGI 2
LB

- FEATURES & BENEFITS**
- Superior extreme pressure performance exceeding 800 kg in the 4-Ball weld test
 - Engineered for high-temperature performance with a dropping point of >580 °F
 - Excellent performance in extremely hot, wet, and/or heavily loaded applications
 - Superior protection against rust and corrosion

- APPLICATIONS**
- Ideal for use in a variety of extreme duty on- and off-road equipment across a wide variety of applications:
- Heavy duty on- and off-road construction and trucking
 - Mining and quarries
 - Forestry and agriculture
 - Automotive disc and drum brake bearings, chassis ball joints and universal joints
 - Steel Mills
 - Paper Mills
 - Marine

- AVAILABLE CONFIGURATIONS**
- Case Goods
 - Pail
 - Keg
 - Drum

A close-up, dark-toned photograph of a coolant reservoir cap. The cap features several safety and maintenance icons: a warning triangle with an exclamation mark, an open book with an 'i' for information, a hand with a red 'X' over it indicating no touching, and a diagram of a cooling system with arrows showing circulation. The text 'ANTIFREEZE/COOLANTS' is overlaid in large, white, bold, sans-serif capital letters across the center of the image.

ANTIFREEZE/COOLANTS

ANTIFREEZE/COOLANTS



PRODUCT	LD/HD EXTENDED SERVICE INTERVAL HOAT	LD EXTENDED LIFE NAPS FREE OAT
	<p>High-performance 50/50 pre-diluted antifreeze/coolant for domestic and foreign cars, light duty trucks, and heavy duty diesel applications requiring a hybrid organic acid technology (HOAT) type antifreeze/coolant.</p>	<p>High-performance 50/50 pre-diluted antifreeze/coolant for cars and light duty trucks requiring an organic acid technology (OAT) type antifreeze/coolant.</p>
COLOR & SPECIFICATIONS	<p>Yellow ASTM D3306 ASTM D6210 TMC RP 329</p>	<p>Yellow ASTM D3306</p>
FEATURES & BENEFITS	<ul style="list-style-type: none"> • Fully formulated for heavy duty diesel applications and does not require the addition of SCA at initial fill. Contains industry-recommended concentration of nitrite to protect cylinder liners from cavitation corrosion (liner pitting) • Prevents corrosion of aluminum, brass, cast iron, copper, solder and steel • Provides excellent high-temperature aluminum protection • Compatible with elastomers, gaskets, and other non-metallics • Low silicate, amine and phosphate free • Blended using de-ionized water • Compatible with other conventional/inorganic additive technology (IAT), hybrid organic acid technology (HOAT), and SCAs (liquid and/or filters) • Contains a bittering agent 	<ul style="list-style-type: none"> • Universal top off and service coolant - Compatible with other conventional/inorganic additive technology (IAT), hybrid organic acid technology (HOAT), and organic acid technology (OAT) antifreeze/coolant • NAPS free (does not contain Nitrite, Amine, Phosphate and Silicate) nor does it contain 2-EH (2-ethylhexanoic acid) • Prevents corrosion of aluminum, brass, cast iron, copper, solder and steel • Compatible with controlled atmosphere brazed (CAB) aluminum radiators • Provides excellent high-temperature aluminum protection • Compatible with elastomers, gaskets, and other non-metallics • Blended using de-ionized water • Contains a bittering agent
APPLICATIONS & SERVICE INTERVALS	<p>Recommended for cars/light duty trucks (3 years/60K miles) and heavy duty diesels (60K miles or 3 years/300K miles) with ongoing monitoring using nitrite test strips and Supplemental Coolant Additive (SCA).</p>	<p>Recommended for cars and light duty trucks - (5 years/150K miles).</p>
AVAILABLE CONFIGURATIONS	<ul style="list-style-type: none"> • Drum • Bulk 	<ul style="list-style-type: none"> • Drum • Bulk

ANTIFREEZE/COOLANTS



PRODUCT	HD EXTENDED LIFE NAPS FREE OAT	HD EXTENDED LIFE NMOAT
	<p>High-performance 50/50 pre-diluted antifreeze/coolant for heavy duty diesel applications requiring a nitrite, amine, phosphate or silicate free (NAPS) free organic acid technology (OAT) type antifreeze/coolant.</p>	<p>High-performance 50/50 pre-diluted antifreeze/coolant for heavy duty diesel applications requiring a nitrite/molybdate fortified organic acid technology (OAT) type antifreeze/coolant.</p>
COLOR & SPECIFICATIONS	<p>Red ASTM D6210</p>	<p>Red ASTM D6210 TMC RP 329</p>
FEATURES & BENEFITS	<ul style="list-style-type: none"> • Universal top-off and service coolant compatible with other conventional/inorganic additive technology (IAT), hybrid organic acid technology (HOAT), and organic acid technology (OAT) antifreeze/coolant • NAPS free (does not contain Nitrite, Amine, Phosphate and Silicate) nor does it contain 2-EH (2-ethylhexanoic acid) • Prevents corrosion of aluminum, brass, cast iron, copper, solder and steel • Compatible with controlled atmosphere brazed (CAB) aluminum radiators • Provides excellent high-temperature aluminum protection • Compatible with elastomers, gaskets, and other non-metallics • Blended using de-ionized water • Contains a bittering agent 	<ul style="list-style-type: none"> • Formulated for heavy duty diesel applications and does not require the addition of SCA at initial fill. Contains industry recommended concentration of nitrite and molybdate to protect cylinder liners from cavitation corrosion • Prevents corrosion of aluminum, brass, cast iron, copper, solder and steel • Provides excellent high-temperature aluminum protection • NAPS free-Does not contain Nitrite, Amine, Phosphate and Silicate • Compatible with other similarly formulated heavy duty diesel OAT coolants • Compatible with elastomers, gaskets, and other non-metallics • Blended using de-ionized water • Contains a bittering agent
APPLICATIONS & SERVICE INTERVALS	<p>Recommended for heavy duty diesel applications for 6 years/600K miles without the need for SCA or an extender.</p>	<p>Recommended for heavy duty diesel applications for 3 years/300K miles or 6 years/600K miles with the addition of an extender.</p>
AVAILABLE CONFIGURATIONS	<ul style="list-style-type: none"> • Drum • Bulk 	<ul style="list-style-type: none"> • Drum • Bulk

**PRODUCT****LD/HD CONVENTIONAL**

High-performance 50/50 pre-diluted antifreeze/coolant for older (pre-1995) domestic and foreign cars, light duty trucks and heavy duty diesel applications.

COLOR & SPECIFICATIONS

Green
ASTM D3306 | ASTM D6210 | CI-A-A-52624A | TMC RP 329

FEATURES & BENEFITS

- Fully formulated for heavy duty diesel applications and does not require the addition of SCA at initial fill. Contains industry recommended concentration of nitrite to protect cylinder liners from cavitation corrosion (liner pitting)
- Prevents corrosion of aluminum, brass, cast iron, copper, solder and steel
- Compatible with elastomers, gaskets, and other non-metallics
- Low silicate, amine and phosphate free
- Compatible with other conventional/inorganic additive technology (IAT) and SCAs (liquid and/or filters)
- Blended using de-ionized water
- Contains a bittering agent

APPLICATIONS & SERVICE INTERVALS

Recommended for cars/light duty trucks (2 years/40K miles) and heavy duty diesels (30K miles or 2 years/200K miles) with ongoing monitoring using nitrite test strips and Supplemental Coolant Additive (SCA).

AVAILABLE CONFIGURATIONS

- Drum
- Bulk



PERFORMANCE PLUS® LUBRICANTS: PERFORMANCE UNDER THE MOST EXTREME CONDITIONS.

PERFORMANCE PLUS AUTOMOTIVE ENGINE OILS (PCMO)	12X1 QT. CASE	4X5 QT. CASE	55 G DRUM	330 G TOTE	BULK
PRODUCT DESCRIPTION	FP NO.	FP NO.	FP NO.	FP NO.	FP NO.
5W-20 Synthetic Blend SN Plus/GF-5°	3102842	3102844	3102761	3102763	3102807
5W-30 Synthetic Blend SN Plus/GF-5°	3102848	3102850	3102767	3102769	3102811
10W-30 Synthetic Blend SN Plus/GF-5°	3102838	3102840	3102759	3102760	3102801
5W-30 Synthetic Blend High Mileage SN Plus/GF-5°	3102845	3102846	3102764	3102766	N/A
10W-30 Synthetic Blend High Mileage SN Plus/GF-5°	3102835	3102836	3102756	3102758	N/A
0W-20 Full Synthetic SN Plus/GF-5°	3102814	3102816	3102732	3102737	3102799
5W-20 Full Synthetic SN Plus/GF-5°	3102822	3102824	3102744	3102746	3102805
5W-30 Full Synthetic SN Plus/GF-5°	3102828	3102830	3102750	3102752	3102809
5W-20 Synthetic Blend SP/GF-6A	3103296	3103298	3103300	3103301	3103348
5W-30 Synthetic Blend SP/GF-6A	3103302	3103304	3103306	3103307	3103350
10W-30 Synthetic Blend SP/GF-6A	3103308	3103310	3103312	3103313	3103352
5W-30 Synthetic Blend High Mileage SP/GF-6A	3103325	N/A	3103326	3103376	3103360
10W-30 Synthetic Blend High Mileage SP/GF-6A	3103327	N/A	3103328	3103377	3103362
0W-20 Full Synthetic SP/GF-6A	3103314	3103329	3103330	3103331	3103354
5W-20 Full Synthetic SP/GF-6A	3103315	3103317	3103319	3103320	3103356
5W-30 Full Synthetic SP/GF-6A	3103321	3103322	3103323	3103324	3103358
0W-20 Synthetic dexos1 Gen 2 SP/GF-6A	3102295	3102297	3102304	3102305	3102294
5W-20 Synthetic dexos1 Gen 2 SP/GF-6A	3102271	3103374	3103368	3103369	3103374
5W-30 Synthetic dexos1 Gen 2 SP/GF-6A	3102299	3102301	3102310	3102311	3102293
0W-40 Full Synthetic Euro SN	N/A	N/A	3103364	3103365	3103378
5W-40 Full Synthetic Euro SN	N/A	N/A	3103366	3103367	3103379
PERFORMANCE PLUS AUTOMATIC TRANSMISSION FLUIDS	12X1 QT. CASE	4X1 G CASE	55 G DRUM	330 G TOTE	BULK
PRODUCT DESCRIPTION	FP NO.	FP NO.	FP NO.	FP NO.	BULK NO.
ATF Dexron III/Mercon	3101087	N/A	3101091	3101482	3100033
Full Synthetic Multi-Vehicle ATF	3101872	3102240	3101874	3102112	3101773
PERFORMANCE PLUS HEAVY DUTY ENGINE OILS (HDMO)	4X1 G CASE	5 G PAIL	55 G DRUM	330 G TOTE	BULK
PRODUCT DESCRIPTION	FP NO.	FP NO.	FP NO.	FP NO.	BULK NO.
Heavy Duty 10W-30 CK-4	3102239	3102252	3102253	3102254	3102135
Heavy Duty 15W-40 CK-4/SN	3102238	3102255	3102256	3102257	3102134
Heavy Duty Full Synthetic 5W-40 CK-4	3102435	3102399	3102401	3102404	3103039
15W-40 Natural Gas	N/A	N/A	3102267	3102269	3100742
PERFORMANCE PLUS HEAVY DUTY DRIVELINE FLUIDS	4X1 G CASE	5 G PAIL	16 G KEG	55 G DRUM	TOTE/BULK
PRODUCT DESCRIPTION	FP NO.	FP NO.	FP NO.	FP NO.	FP NO.
Full Synthetic Heavy Duty ATF (Allison TES-295 & TES-389)	3102437	3102411	N/A	3102413	S/O
Heavy Duty Full Synthetic 50W ATF	N/A	3102406	3102383	N/A	S/O
Heavy Duty T-04 10W Fluid	N/A	3102417	N/A	3102419	S/O
Heavy Duty T-04 30W Fluid	N/A	3102423	N/A	3102425	S/O
Heavy Duty T-04 50W Fluid	N/A	3102429	N/A	3102431	S/O

PERFORMANCE PLUS GEAR OILS	5 G PAIL	16 G KEG	55 G DRUM	330 G TOTE	BULK
PRODUCT DESCRIPTION	FP NO.	FP NO.	FP NO.	FP NO.	BULK NO.
80W-90 Conventional	3101865	3102385	3102270	3102271	3100064
85W-140 Conventional	3101866	3102386	3101776	3102272	3100065
75W90 Full Synthetic	3102387	3102379	3102389	3102391	3102902
75W-140 Full Synthetic	3102393	3102381	3102395	3102397	3102899
PERFORMANCE PLUS HYDRAULIC FLUIDS	4X1 G CASE	5 G PAIL	55 G DRUM	330 G TOTE	BULK
PRODUCT DESCRIPTION	FP NO.	FP NO.	FP NO.	FP NO.	BULK NO.
EX AW 32 (Extended Hydraulic)	N/A	3102145	3101479	3102107	3100030
EX AW 46 (Extended Hydraulic)	N/A	3100804	3101480	3102076	3100031
EX AW 68 (Extended Hydraulic)	N/A	3101986	3101481	3102102	3100032
ZF AW 46 (Zinc Free Hydraulic)	N/A	3102324	3102148	S/O	S/O
Universal Tractor Fluid	N/A	3102162	3101483	3102089	3100051
PERFORMANCE PLUS GREASES	10X140Z CASE	35LB PAIL	120LB KEG	400LB DRUM	BULK
PRODUCT DESCRIPTION	FP NO.	FP NO.	FP NO.	FP NO.	BULK NO.
All Purpose Lithium 1	3102907	S/O	3102909	S/O	S/O
Construction Red No.1	3102913	S/O	3102915	S/O	S/O
Hi Temp Lithium 1	3102916	S/O	3102918	S/O	S/O
Moly Supreme 1 with 5% Moly	3102910	S/O	3102912	S/O	S/O
All Purpose Lithium 2	3102211	3102184	3102183	3102201	S/O
Construction Red No.2	3102213	3102188	3102187	3102203	S/O
Hi Temp Lithium 2	3102212	3102186	3102185	3102202	S/O
Moly Supreme 2 with 5% Moly	3102214	3102190	3102189	3102204	S/O
Ultra Calcium Sulfonate 2 with 5% Moly	3102215	3102192	3102191	3102205	S/O
PERFORMANCE PLUS ANTIFREEZE/COOLANTS	55 G DRUM	330 G TOTE	BULK		
PRODUCT DESCRIPTION	FP NO.	BULK NO.	BULK NO.		
LD/HD Extended Service Interval HOAT	640053	S/O	6453		
LD Extended Life NAPS Free OAT	640055	S/O	6455		
HD Extended Life NAPS Free OAT	640057	S/O	6457		
LD/HD Conventional	640051	S/O	S/O		
HD Extended Life NMOAT	640062	S/O	S/O		

* Available while supplies last
S/O: Special Order (minimum required)

(Bulk delivery available in most markets, please contact sales representative for details.)