

CASE

MAINTENANCE PRODUCTS



LUBRICANTS

- Introduction.....4
- Hydraulic/Transmission Fluid.....5
- Hydraulic Fluid.....7
- No. 1 & No. 1 SSL Diesel Engine Oil9
- Low Ash & Automotive Engine Oil.....10
- Gear & Transmission Oils11
- Specialty Products.....12
- Grease13
- Cotton Picker Products14

FILTRATION PRODUCTS

- Introduction.....16
- Lube Filtration Systems17
- Fuel Filtration Systems.....18
- Air Filtration Systems19
- Hydraulic Filtration Systems.....20
- Ultra Premium Product Line21
- Filter Maintenance Kits.....22
- All Makes Filters.....23

ANTIFREEZE/COOLANT

- Antifreeze/Coolant Products24

OIL ANALYSIS

- What is Systemgard?.....26
- Features and Benefits.....26
- Fleetguard Monitor Analysis Packages27

Your Equipment's Lifeblood



LUBRICANTS

Glance through these pages and you'll see what appear to be containers of lubricants.

Look a bit closer, and instead of lubricants, you'll see sturdy protection for your equipment investment, assurances that your work will be completed on time, and sure-fire steps for cutting your operating expenses and downtime. Lubricants do much, much more than just prevent friction. They're your equipment's lifeblood; they help you take care of your machinery's health.

That's why you need Case and Case IH quality in your lubricants, the same way you need that quality in your equipment. These lubricants are specifically designed for your equipment, and especially for heavy-duty off-road use. That's key, because off-road equipment uses 90% of its horsepower capacity (trucks, by contrast, use 60%, and cars use just 30% of their available horsepower).

Oil, relatively speaking, costs a few bucks; your equipment could easily cost \$50,000 to \$100,000 or more. You're much better off replacing the oil—and using quality oil. Don't save a few pennies by settling for lesser quality lubrication. You'll risk profit-eating downtime and expensive repairs. It costs you very little more to use the best; it could cost you greatly not to.

Case and Case IH lubricants are the product of an ongoing partnership with FL-Viscosity Oil (formerly a subsidiary of Case Corporation). Viscosity Oil has been an exclusive supplier to the Case parts network for over 30 years and, in fact, helped develop the original Hy-Tran® hydraulic fluid. This latest generation of 'Akcela' lubricants continues to exceed the performance of most competitive brands of lubricants, and will excel in your equipment.

In quality and in depth, this line of lubricants is second-to-none in the business. Your equipment deserves it...and your dealer is as good a business friend as you could ask for. While some other dealers will simply ring up a sale, your Case or Case IH dealer will take the time to determine what best fits your specific needs, in new and used equipment, value-priced parts, and repairs & maintenance, to keep you up and running.



HY-TRAN ULTRA & HY-TRAN ULTRA SSL (MS 1209®)

A UNIQUE ALL-WEATHER HYDRAULIC/TRANSMISSION FLUID



HY-TRAN ULTRA and all-season HY-TRAN ULTRA SSL synthetic blend are, quite simply, the finest hydraulic/transmission fluids we make. They will enhance your brake and clutch capabilities while helping reduce brake chatter, clutch slippage and wear, and final drive wear. The basic difference between the two is that HY-TRAN ULTRA fluid is designed for use in an ambient temperature range of -20° to +120° F (-30° to +50°C). HY-TRAN ULTRA SSL fluid is designed to work optimally all the way down to -40C (-40F), yet does not need to be drained in the summer.

HY-TRAN ULTRA:

- Provides better water tolerance and filtration efficiency than typical tractor fluids. Water tolerance is critical for preventing additive drop-out, filter plugging and sluggish performance.
 - Provides stable viscosity, which is essential to maintaining optimum machine performance and long life.
 - Provides superior wear protection for hydraulic components, drive train gears and other transmission parts.
 - Provides controlled frictional characteristics to provide smooth operation of wet brakes and clutches. Special non-zinc additives ensure a thermally and hydrolytically stable product, keeping the system free of deposits, and helping prevent corrosive by-products.
- Meets the frictional requirements of Caterpillar TO-2 as well as all performance requirements of the former Case MS 1206, MS 1207 and International Harvester B-6 specifications. May be used in all applications where Case PTF and HY-TRAN or low temperature HY-TRAN PLUS fluids were formerly recommended.
 - Is thoroughly tested by Case Engineering and approved for Case, Case IH and International Harvester equipment.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|-------------------|--------------------|
| 139029A2 | HY-TRAN ULTRA | 1 GAL./3.79 L. |
| 143945A2 | HY-TRAN ULTRA | 10 QTS./9.46 L. |
| 372705R7 | HY-TRAN ULTRA | 5 GAL./18.93 L. |
| 999597R7 | HY-TRAN ULTRA | 30 GAL./113.56 L. |
| 999655R7 | HY-TRAN ULTRA | 55 GAL./208.19 L. |
| 298050A2 | HY-TRAN ULTRA | 330 GAL./1249.2 L. |
| 236610A2 | HY-TRAN ULTRA SSL | 5 GAL./18.93 L. |
| B505698 | HY-TRAN ULTRA SSL | 30 GAL./113.56 L. |

HYDRAULIC/TRANSMISSION FLUID

TCH HYDRAULIC FLUID (MS1210)

A UNIQUE ALL WEATHER HYDRAULIC FLUID FOR CASE CRAWLERS

TCH is a unique, all-temperature transmission/converter/hydraulic fluid with controlled frictional characteristics, to ensure smooth operation of wet clutches and minimize clutch slippage.

TCH also:

- Eliminates the need for switching fluids in low temperatures. Shear stable viscosity provides consistent year-round performance.
- Minimizes wear of hydraulic components, converters, drive train gears, and other transmission parts.
- Contains special additives to protect against foaming, deposit formation, and moisture which can cause corrosion and damage your equipment.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|-----------|-------------------|
| 139030A1 | TCH FLUID | 1 GAL./3.79 L. |
| B53977 | TCH FLUID | 5 GAL./18.93 L. |
| B53979 | TCH FLUID | 55 GAL./208.19 L. |



BIODEGRADABLE HYDRAULIC/TRANSMISSION FLUID (TSM BIO)

TSM BIO is a biodegradable hydraulic/transmission fluid which can be used when recommended by operator manual or service bulletin. Currently approved for Case skid steers and Case IH JX, JXU, and MXM tractors. This bio-synthetic based 10W30 fluid exceeds several governmental biodegradability and eco-compatibility requirements, with biodegradability exceeding 90%, including OECD 201/202/203/301B, VAMIL(NL), WGK 0, CEC L33A-93, and D5864-96. Multi-functional oil for transmission, wet brakes and hydraulic systems.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|---------|------------------|
| B505699 | TSM BIO | 5 GAL./18.93 L. |
| B505700 | TSM BIO | 30 GAL./113.6 L. |



AW HYDRAULIC FLUID (MS1216)

FOR SEPARATE-SUMP HYDRAULIC SYSTEMS

AW hydraulic fluid is a high-performance, anti-wear oil approved for use in Case 9000 and CX Series excavators. It's designed for use in applications where an anti-wear hydraulic oil is required.

Our hydraulic fluid:

- Meets or exceeds specs for Case MS 1216, DIN51524-Part2, Dennison HF-O, and Cincinnati Milacron P-70.
- Resists viscosity and thermal breakdown.
- Provides ultra-pure filtration. Available in ISO VG 46, 68 and 100.

| PRODUCT | AMBIENT TEMP. RANGE | |
|---------|---------------------|---------------|
| | F | C |
| AW46 | +5° TO +95°F | -15° TO +35°C |
| AW68 | +23° TO +122°F | -5° TO +50°C |
| AW100 | +41° TO +122°F | +5° TO +50°C |

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|------------------|-------------------|
| 116799A1 | AW HYDRAULIC 46 | 5 GAL./18.93 L. |
| 116800A1 | AW HYDRAULIC 46 | 55 GAL./208.91 L. |
| B505690 | AW HYDRAULIC 68 | 5 GAL./18.93 L. |
| 339852A1 | AW HYDRAULIC 100 | 5 GAL./18.93 L. |
| 339853A1 | AW HYDRAULIC 100 | 55 GAL./208.91 L. |



HYDRAULIC EXCAVATOR FLUID (MS 1230)

FOR HIGH PRESSURE HYDRAULIC SYSTEMS

This high-pressure fluid provides the viscosity stability that's essential to optimum machine performance and long life, and protects year-round with no seasonal changes. It's approved for use in Case, Drott and Poclairn high pressure hydraulic systems.

MS 1230's special additives protect hydraulic system components against wear, corrosion, and loss of efficiency. It minimizes aeration, cavitation, foaming and deposits.

Note: Hydraulic Excavator Fluid (MS 1230) is mandatory in Poclairn excavators. In all other Case excavators, AW Hydraulic Fluid or Hy-Tran Ultra can be used depending on ambient temperature range.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|---------------------|-------------------|
| B17639 | HYDR. EXC. FLUID NT | 5 GAL./18.93 L. |
| S118631 | HYDR. EXC. FLUID NT | 55 GAL./208.91 L. |



NO. 1™ ENGINE OIL



NO. 1™ & NO. 1 SSL ENGINE OIL (MS1121)

No. 1 is a premium, high-performance engine oil specifically designed and tested to provide maximum protection, performance, and long life in heavy-duty, high-temperature operation. It's designed for Case construction, agricultural, and other off-highway diesel-powered equipment.

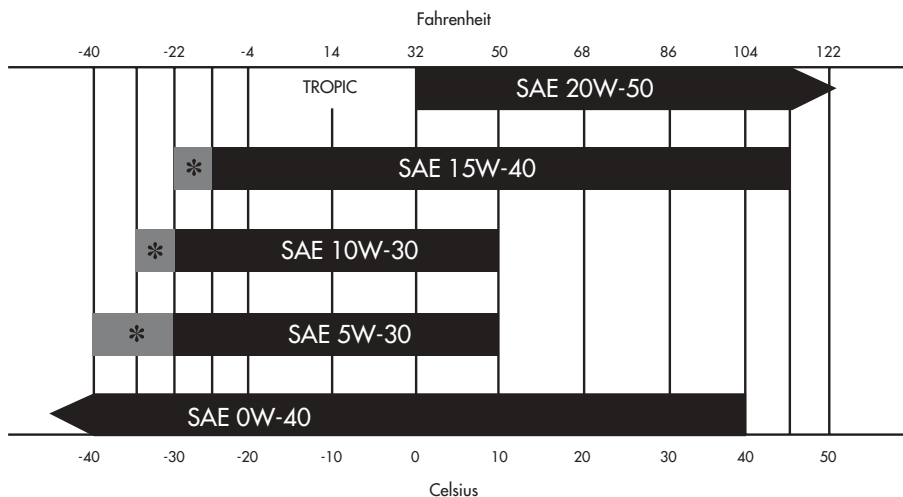
No. 1 Engine Oil:

- Provides superior protection against wear and corrosion. It helps keep engines exceptionally clean, minimizing deposits and maintaining excellent soot control.
- Allows excellent cold-weather starting and operating performance.
- Meets performance requirements of API Service Classification CI-4, CH-4, CG-4, CF-4, CF, CE, CD II, CD, or CC; Mack EO/K-2; Mack EO-M Plus; Cummins 20076, 20077, 20078; ACEA E5; JASO CD; MAN 270 & 271; and Caterpillar Series 3. Also meets Caterpillar TO-2 and Allison C-3 and C-4 performance requirements.

0W40 SSL No. 1 is a synthetic blend that provides superior performance in severe service applications over a broad ambient temperature range of -40° to 104° F (-40° to 40° C.) This provides faster engine starts and more immediate engine lubrication.

| SAE | PART NO. | PRODUCT | CONTAINER SIZE |
|-------|----------|---------|--------------------|
| 0W40 | B505693 | NO. 1 | 10 QTS./9.46 L. |
| 0W40 | B505694 | NO. 1 | 30 GAL./113.56 L. |
| 10W | 407357R4 | NO. 1 | 5 GAL./18.93 L. |
| 10W | B505695 | NO. 1 | 55 GAL./208.19 L. |
| 30 | 407352R4 | NO. 1 | 1 QT./.95 L. |
| 30 | 139032A1 | NO. 1 | 1 GAL./3.79 L. |
| 30 | 143947A1 | NO. 1 | 10 QTS./9.46 L. |
| 30 | 407356R4 | NO. 1 | 5 GAL./18.93 L. |
| 30 | 407360R4 | NO. 1 | 30 GAL./113.56 L. |
| 30 | 407362R4 | NO. 1 | 55 GAL./208.19 L. |
| 10W30 | 104104A1 | NO. 1 | 1 QT./.95 L. |
| 10W30 | 139033A1 | NO. 1 | 1 GAL./3.79 L. |
| 10W30 | 372253A1 | NO. 1 | 10 QTS./9.46 L. |
| 10W30 | 104106A1 | NO. 1 | 5 GAL./18.93 L. |
| 10W30 | 372254A1 | NO. 1 | 30 GAL./113.56 L. |
| 10W30 | 104108A1 | NO. 1 | 55 GAL./208.19 L. |
| 10W30 | 323443A1 | NO. 1 | 330 GAL./1249.2 L. |
| 15W40 | 407410R2 | NO. 1 | 1 QT./.95 L. |
| 15W40 | 139034A1 | NO. 1 | 1 GAL./3.79 L. |
| 15W40 | 143949A1 | NO. 1 | 10 QTS./9.46 L. |
| 15W40 | 407414R2 | NO. 1 | 5 GAL./18.93 L. |
| 15W40 | 253782A1 | NO. 1 | 30 GAL./113.56 L. |
| 15W40 | 407420R2 | NO. 1 | 55 GAL./208.19 L. |
| 15W40 | 298052A1 | NO. 1 | 330 GAL./1249.2 L. |
| 20W50 | 332390A1 | NO. 1 | 5 GAL./18.93 L. |

OIL VISCOSITY/TEMPERATURE USAGE RECOMMENDATION



*Use of an engine oil heater, or an engine coolant heater, is required in gray area.

LOW ASH & AUTOMOTIVE ENGINE OILS



LOW ASH ENGINE OIL

FOR LPG, NATURAL GAS, AND SIMILAR ENGINES

Low Ash is a superior-quality product blended for optimum performance and service life. It's specifically designed for heavy-duty service in gasoline, LPG, natural gas, and 2-stroke cycle diesel engines in agricultural, industrial, truck, passenger car, and construction equipment.

It provides high levels of dispersants (detergents) formulated to minimize metallic-ash deposits, lengthening valve and spark plug life.

| SAE | PART NO. | PRODUCT | CONTAINER SIZE |
|-----|----------|---------|-------------------|
| 10W | 407345R3 | LOW ASH | 5 GAL./18.93 L. |
| 30 | 407340R3 | LOW ASH | 1 QT./ .95 L. |
| 30 | 139037A1 | LOW ASH | 1 GAL./3.79 L. |
| 30 | 407344R3 | LOW ASH | 5 GAL./18.93 L. |
| 30 | 407350R3 | LOW ASH | 55 GAL./208.91 L. |



AUTO SUPREME™ MOTOR OIL

FOR AUTOMOTIVE ENGINES

Auto Supreme motor oil provides protection and performance for all seasons, eliminating the need for seasonal oil grade changes. It also provides fast warm-up and fuel efficiency for light-application engines. It's formulated with base oils and additives that provide superior performance and protection.

Auto Supreme reduces friction and provides quick, easy starting with instant lubrication.

| SAE | PART NO. | PRODUCT | CONTAINER SIZE |
|-------|----------|--------------|-------------------|
| 5W30 | 372255A1 | AUTO SUPREME | 1 QT./ .95 L. |
| 5W30 | B505696 | AUTO SUPREME | 55 GAL./208.91 L. |
| 10W30 | B500401 | AUTO SUPREME | 1 QT./ .95 L. |
| 10W30 | B505710 | AUTO SUPREME | 55 GAL./208.91 L. |

135H EP & SSL GEAR LUBE (MS1316)

FOR HIGH-SPEED/LOW-TORQUE AND LOW-SPEED/HIGH-TORQUE APPLICATIONS

This premium extreme-pressure gear lubricant provides superior foam-and oxidation-stability and reduces the risk of corrosion and deposits that can cause costly damage to your equipment. It's formulated to stand up to high-temperature conditions.



135H EP:

- Prevents objectionable deposits and corrosion in gear cases, bearing rollers, races and thrust washers.
- Exceeds API GL-5 and MIL-L-2105D requirements, and meets MIL-PRF2105E and ZFTE-ML05A.

75W90 SSL Gear Lube is a synthetic-based, extreme-pressure transmission and gear oil for severe service in agricultural and construction equipment. It's highly resistant to thermal breakdown and provides excellent low-temperature flow.

| SAE | PART NO. | PRODUCT | CONTAINER SIZE |
|--------|----------|-------------------|-------------------|
| 75W90 | B505707 | GEAR LUBE SSL | 1 QT./ .946 L. |
| 80W90 | 139039A1 | 135H EP GEAR LUBE | 1 GAL./3.79 L. |
| 80W90 | 139801A1 | 135H EP GEAR LUBE | 5 GAL./18.93 L. |
| 80W90 | 246666A1 | 135H EP GEAR LUBE | 16 GAL./60.64 L. |
| 80W90 | 181383A1 | 135H EP GEAR LUBE | 55 GAL./208.91 L. |
| 85W140 | 139041A1 | 135H EP GEAR LUBE | 1 GAL./3.79 L. |
| 85W140 | 407364R2 | 135H EP GEAR LUBE | 5 GAL./18.93 L. |
| 85W140 | 407538R2 | 135H EP GEAR LUBE | 16 GAL./60.64 L. |
| 85W140 | 407365R2 | 135H EP GEAR LUBE | 55 GAL./208.19 L. |

TRANSAXLE FLUID (MS1317)

A UNIQUE DRIVETRAIN LUBRICANT

Transaxle Fluid provides smooth, quiet operation in certain components of Case wheel loaders (where recommended by operator manual). Its excellent low-temperature characteristics are superior to standard products.

MS1317:

- Minimizes deposits and corrosion of gear case and components.
- Extends brake and gear life.
- SAE 80W-140



| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|-----------------|-------------------|
| B17632 | TRANSAXLE FLUID | 5 GAL./18.93 L. |
| B17633 | TRANSAXLE FLUID | 55 GAL./208.19 L. |

AUTOMATIC TRANSMISSION FLUID (TRANS-XHD)

Trans XHD is an automatic transmission fluid designed for use in certain powershift transmissions, power steering systems, and other hydraulic systems in off-highway equipment, including the optional powershift transmission in the L-Series and M-Series Loader Backhoes.



| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|-----------|------------------|
| 282372A1 | TRANS-XHD | 1 QT./ .946 L. |
| 310233A1 | TRANS-XHD | 2.5 GAL./9.46 L. |
| 362649A1 | TRANS-XHD | 30 GAL./113.6 L. |

SPECIALTY PRODUCTS

AXLE OIL ADDITIVE

Developed for use with Hy-Tran Ultra, this axle oil additive is designed to enhance Hy-Tran Ultra's thermal characteristics in severe-temperature applications, and to help reduce brake and clutch noise in Case IH 5100, 5200, 7100, 7200, 8900, MXC, MX Maxxum, MX Magnum agricultural tractors, Case IH 2100 & 2300 combines, Case L and M Series loader backhoe rear axles, K-Series loader backhoe transaxles (after PIN JIG020000), and G-Series forklift non-steer drive axles. Add 1 pint of additive to each 7.5 gallons of Hy-Tran Ultra. This concentration can be doubled in specific severe situations to 1 pint in 3.75 gallons, but must never exceed this level of concentration.



CAUTION: This oil additive is NOT recommended for use in fluids other than Hy-Tran Ultra, such as Hy-Tran, Hy-Tran Plus or TCH.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|--------------|----------------|
| 402982A1 | OIL ADDITIVE | 1 PT./ .47 L. |

CRAWLER BRAKE OIL

LOW-TEMPERATURE HYDRAULIC FLUID

Mineral-oil based Crawler Brake Oil is designed to be compatible with factory-installed elastomer seals that chemical synthetic fluids (e.g. DOT 3 brake fluid) would cause to swell severely. It's intended for use in Case model 450C, 455C, 850D, and 855D crawler brake actuators, and model 1085C rubber tire excavator accelerator circuits.



| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|-------------------|----------------|
| B91244 | CRAWLER BRAKE OIL | 1 QT./ .95 L. |

HTO ADDITIVE & HTO PRE-MIX

HTO Additive:

HTO is designed to provide additional anti-wear, oxidation and corrosion-inhibiting properties. It extends component life in Case skid steer hydrostatic transmissions for Case Uni-Loader models 1818, 1825, 1835, 1835B, 1835C, 1838, 1840, 1845C, 40XT, 60XT, 70XT, 75XT and 85XT.



| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|--------------|----------------|
| B17508 | HTO ADDITIVE | 1 QT./ .95 L. |

HTO Pre-Mix:

HTO Pre-Mix is a special blend of 10W30 No. 1 engine oil pre-mixed with HTO anti-wear additive for service fill in hydrostatic transmissions in Case Uni-Loader models 1818, 1825, 1835, 1835B, 1835C, 1838, 1840, 1845C, 40XT, 60XT, 70XT, 75XT and 85XT. Addition of HTO Additive is not required when pre-mix is used.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|------------|----------------|
| 298053A1 | HTO PREMIX | 1 G./3.785 L. |

LIMITED SLIP ADDITIVE

FOR DRIVING AXLE DIFFERENTIALS

This additive is specially formulated to help reduce clutch plate friction. It's designed for driving axles equipped with limited slip differentials where recommended by operator manual.

LSA:

- Reduces clutch plate friction and eliminates clutch chatter.
- Facilitates application and release of clutch plates.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|-----------------------|----------------|
| B91246 | LIMITED SLIP ADDITIVE | 1 PT./ .47 L. |

MULTI-PURPOSE 251H EP GREASE

251H EP is an NLGI No. 2, lithium-soap, extreme-pressure grease for wheel bearings, universal joints, spline shafts, water pump bearings, chassis, and general lubrication.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|----------------|------------------|
| 132096A1 | GREASE 251H EP | TUBE |
| 132098A1 | GREASE 251H EP | 35 LBS./15.9 L. |
| 132097A1 | GREASE 251H EP | 120 LBS./54.5 L. |



PREMIUM EP-2 HIGH-TEMP GREASE

EP-2 is a multi purpose NLGI 2, GC-LB high-temperature lithium-complex, extreme pressure grease for use in agricultural, construction, automotive and industrial equipment. It's designed for use in conventional and disc brake wheel bearings, universal joints, spline shafts, water pumps and general chassis lubrication.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|--------------|----------------|
| B505708 | EP-2 HI-TEMP | TUBE |



SYNTHETIC GREASE SSL

Our SSL grease is a synthetic-based NLGI 2, GC-LB, extreme-pressure grease for use in agricultural, construction, automotive and industrial equipment. It's designed for use in conventional and disc brake wheel bearings, universal joints, spline shafts, water pumps and general chassis lubrication. It provides excellent low and high temperature performance.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|------------------|----------------|
| B505709 | SYNTHETIC GREASE | TUBE |



MOLY 251 EP-M GREASE

251 EP-M Moly is a specially formulated product that meets the requirements for severe wear and slow-moving applications.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|-------------|------------------|
| 132095A1 | GREASE MOLY | TUBE |
| 259419A1 | GREASE MOLY | 35 LBS./15.9 L. |
| 259420A1 | GREASE MOLY | 120 LBS./54.5 L. |

EP-0 GREASE

EP-0 is an extra soft NLGI 0 lithium soap extreme pressure grease recommended for use in conditioner-roll chaincase gearboxes of 3300, 8300, and SC400, Mower Conditioners; 3200 Disc Mowers; 525 Auger Headers; and 8800 Draper Headers.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|-------------|----------------|
| B505226 | EP-0 GREASE | 3.35 OZ. |

COTTON PICKER PRODUCTS



CASE IH COTTON PICKER BAR LUBE

PREMIUM PROTECTION

This premium-soft, channel-resistant grease is designed for all applications, including high-load cotton picker spindle assemblies. It provides superior wear protection and oxidation stability.

Case IH Bar Lube:

- Will not corrode bronze bushings.
- Contains additives that inhibit rust, corrosion, and oxidation to protect these critical, high-value components during off-season storage as well as during daily operation.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|------------------------|------------------|
| 407515R1 | COTTON PICKER BAR LUBE | 35 LBS./15.9 L. |
| 407516R1 | COTTON PICKER BAR LUBE | 120 LBS./54.5 L. |
| 407517R1 | COTTON PICKER BAR LUBE | 400 LBS./182 L. |

HI-SPEED SPINDLE CLEANER

HEAVY-DUTY SPINDLE DETERGENT

This is the best protection possible for picker bar components and cotton picker pressurized moisteners. It's specially developed for use in Case IH Cotton Pickers.

Hi-Speed Spindle Cleaner:

- Reduces stain and wrapping.
- Moistens and cleans cotton picker spindles.
- Cleans dirt and plant sap from spindles.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|-----------------|-------------------|
| B91241V | SPINDLE CLEANER | 5 GAL./18.93 L. |
| B91337V | SPINDLE CLEANER | 55 GAL./208.19 L. |

DURAFIT™ COTTON PICKER SPINDLE GREASE

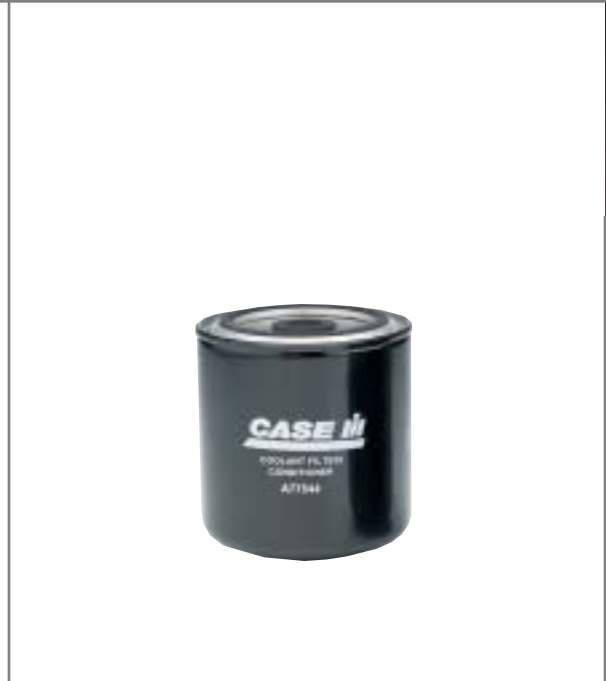
STANDARD PROTECTION

This soft, channel-resistant grease lubricates and penetrates in low-temperature/high-speed or normal-temperature/low-load applications.

It provides adequate lubrication for day-to-day operation of cotton picker spindle assemblies. For optimum protection, and especially for idle storage periods, premium Case IH Bar Lube is recommended.

| PART NO. | PRODUCT | CONTAINER SIZE |
|----------|-------------------------|------------------|
| B500418 | COTTON PICKER SPNDL GRS | 35 LBS./15.9 L. |
| B500419 | COTTON PICKER SPNDL GRS | 120 LBS./54.5 L. |
| B500420 | COTTON PICKER SPNDL GRS | 400 LBS./182 L. |

FILTRATION PRODUCTS

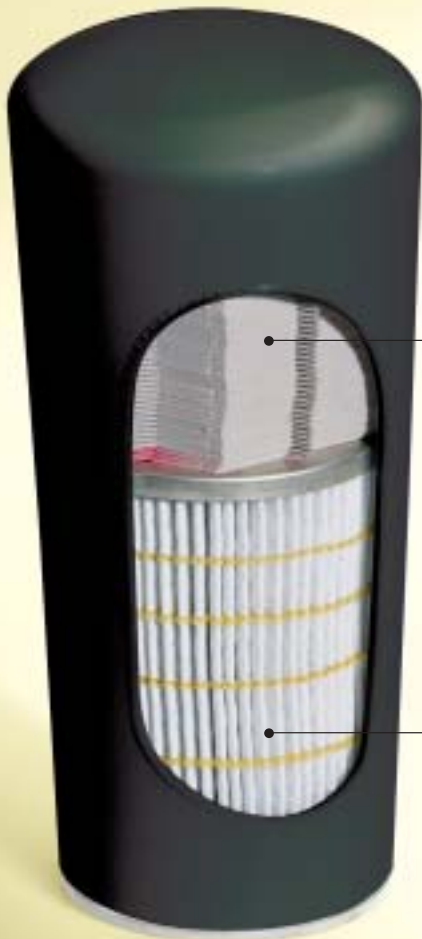


FILTRATION SYSTEMS

Case and Case IH filters may look like many other filters on the market. But inside, they include features that make them tougher, stronger, and better for your equipment. Our designs include extra-heavy filter element paper, metal center tubes and end caps in place of plastic or paper, leakstopping coil springs to keep filter elements in place, and rugged outer canisters. They also trap smaller shavings, slivers and particles than most "will-fits." Case and Case IH filters offer you superior design... and superior protection.

Our filters are specially built to absorb off-road shocks and vibration and meet the rigid quality specifications established at Case Engineering. Our engineers and technicians routinely torture-test parts to assure that everything we produce meets rigorous standards of quality.

These filters are designed to fit your equipment exactly – with just the right threads, gasket sealing area, bypass settings, operating pressure and more. So you get heavy-duty, "perfect-fit" protection – and avoid expensive, hidden problems that can cause premature wear in your engine.



Secondary media removes what "will-fits" can't.

Primary media provides high-efficiency filtration.

FOR DIRT, DUST AND DEBRIS, THIS IS THE END OF THE LINE.

A better design. A longer life.

Our engine oil filters for newer models have a two-stage filter design that gets rid of contaminants that many competitive "will-fit" filters miss. This combination filter design removes the smaller-sized particles that can cause the most damage in today's high-performance engines.

Case & Case IH filters — engineered for superior performance.

Our Synthetic Media

Using synthetic, multi-layer, gradient density media, our filters outperform the average-performing cellulose and paper media of "will-fit" filters. Providing maximum durability and dirt-holding capacity, Case & Case IH filters work better in any condition.



Case & Case IH synthetic media



"Will-fit" filters (cellulose/paper)



To meet the performance demands of today's tough off-road environments, your equipment generates more usable horsepower than ever before. Tighter tolerances, higher temperatures, and severe duty cycles are driving the requirement for high quality filtration and increased durability without sacrificing filter life. Today's low-emission engine designs make engine filtration extremely critical, especially particles in the 5-10 micron range, which are most damaging to modern engines.

- **SUPERIOR MEDIA.** Our filters are designed to trap more of the small contaminants that are most damaging to diesel engines. The media is uniformly resin-impregnated and heat-cured to provide efficient filtration while resisting the effects of moisture. The media used in many of our newer filters combine microglass and cellulose fibers for doubled efficiency over standard filters.
- **PLASTISOL ADHESIVE.** Our filters use plastisol, a high quality adhesive, to uniformly bond the filter element to the end caps. Plastisol adhesive keeps the filter media from bunching and rupturing.
- **RUBBER SEALS.** Many filter manufacturers use cardboard seals at the ends of the filters; cardboard seals can deteriorate or leak. Our filters use a thin piece of rubber which provides a tight, even seal at the base of the filter. It prevents unfiltered oil from bypassing the filter media and re-entering your system.
- **METAL END CAPS.** Solid metal end caps provide additional strength to the filter element. Metal is superior to the cardboard that many manufacturers use.
- **OEM SPECIFIED.**

Our filters meet all Case specifications. When you buy a Case/Case IH filter, you're buying the confidence that Case engineers have placed in the filter to protect your engine, and save you repair costs.



2-stage filtration design

While the costs for repairing equipment breakdowns are normally high, they are often miniscule compared to those associated with delayed harvests or missed project completion deadlines. Don't jeopardize productivity by using "will-fit" filtration. Case/Case IH lube filters are designed specifically for your equipment. They're guaranteed to ensure peak performance while providing maximum protection for your investment.

- **CUSTOM-DESIGNED FILTRATION MEDIA**

- ✓ Synthetic
- ✓ Cellulose
- ✓ Blends
- ✓ Stacked Disk

- **OPTIMIZED FILTRATION PERFORMANCE IN CAPACITY (LIFE), EFFICIENCY (CLEANLINESS), AND RESTRICTION TO FLOW**

- ✓ Minimizes progressive wear
- ✓ Reduces bearing and ring wear
- ✓ Excellent sludge removal
- ✓ Filters oil sooner during cold starts

- **PATENTED COMBINATION FULL-FLOW/BYPASS FILTRATION PRODUCTS**

- **GUARANTEED TO MEET OEM SPECIFICATIONS**



FUEL FILTRATION SYSTEMS

Few things will impact your productivity faster than a poor quality fuel filter. Fine filtration, long life, and efficient water removal are vital to keeping your equipment in the field and on the job.

Sure, there are other filters on the market today that will fit your engine, but there is only one line that's designed specifically for your Case and Case IH equipment. These fuel filters are guaran-

teed to provide maximum protection for your engine's high-performance injectors and fuel pump systems. The extremely high injection pressures and small injector orifices in today's low-emissions engines make fuel filters more critical than ever. Demand the best protection for your equipment investment. Demand genuine Case and Case IH fuel filtration.

- **PATENTED SELF-VENTING DRAIN VALVE ON FUEL/WATER SEPARATORS**
- **PROPRIETARY MEDIA**
- **HIGHER EFFICIENCY WITHOUT LOSS OF CAPACITY**
- **BETTER INJECTION PROTECTION**
- **DRAMATICALLY IMPROVED REMOVAL OF BOTH FREE AND EMULSIFIED WATER**
- **INCREASED SERVICE LIFE**



Your engine is equipped with an air cleaner housing with filter elements, integral pre-cleaner and intake ducting. All perform a certain function. For example, the intake ducts deliver air to the pre cleaner, which takes out 75-94% of the heavy coarse dust, before

air reaches the primary element in the air cleaner housing. Dust that reaches the primary element has a far greater chance of entering your engine if you're not using genuine Case and Case IH filters.

For optimum performance and engine protection, use only Case and Case IH filters. A "will fit" may be just that,—will fit—, but will it perform and protect your investment like an original? Why take the chance?



Our filters offer the following advantages:

- **DESIGNED AND SUPPLIED AS COMPLETE SYSTEM**
- **EXACT REPLACEMENT EACH AND EVERY TIME YOU SERVICE**
- **HIGHEST EFFICIENCY PRODUCT AVAILABLE**
- **CONTINUOUS ELEMENT MEDIA**
- **QUALITY CONTROL TESTING FOR:**
 - ✓ Efficiency
 - ✓ Wet and dry strength
 - ✓ Burst strength
- **PLEATLOC® MEDIA SPACING FOR IMPROVED LOADING/FIELD LIFE**
- **DEEPER END COVERS FOR MORE EFFECTIVE POTTING OF MEDIA**
- **URETHANE SEALS AND MOLDED-IN-PLACE GASKETS**
- **ADVANCED RADIALSEAL® DESIGNS**

HYDRAULIC FILTRATION SYSTEMS

In the early '80s, Case was one of the first users of high performance synthetic media in hydraulic and transmission filters used on construction equipment. This new media provided maximum protection against wear, longer filter life and less pressure drop compared to conventional media. Today's applications are even

more demanding, and the need for this high performance synthetic media is even more important. That's why our hydraulic filters today are exclusively synthetic, delivering the optimum balance of efficiency, capacity and pressure drop.

When it comes to protecting your investment, don't jeopardize your equipment by using just any "filter". Replace with genuine Case and Case IH hydraulic filters for top performance and protection.



Advantages include:

- **LOWER PRESSURE DROP**
- **CUSTOMIZED EFFICIENCY FOR APPLICATION**
- **COMPLETE SYSTEM DESIGN, HEAD AND FILTER**
- **EXACT REPLACEMENT EACH AND EVERY TIME**
- **MAXIMUM DIRT HOLDING CAPACITY (LONGER SERVICE LIFE)**
- **GREATER TEMPERATURE OPERATING RANGE**
- **COMPATIBILITY WITH NEW SYNTHETIC AND ENVIRONMENTALLY-FRIENDLY OILS**
- **PREMIER O-RING SEAL**
- **CONTINUOUS ELEMENT QUALITY CONTROL TESTING**

- ✓ Multi-pass
- ✓ Pressure fatigue
- ✓ Pressure drop
- ✓ Vibration
- ✓ Baffle torque
- ✓ Burst element collapse
- ✓ Element cleanliness

ULTRA FILTERS WITH MICROLOC™ MEDIA

Our Ultra Filters with MicroLoc™ Media represent the next generation of filtration, designed specifically to deliver optimum efficiency without loss of filter life. Over the last 5 years, extensive laboratory research and thousands of hours of field tests have been dedicated to developing MicroLoc™ media. The individual components of Ultra filters have been designed for high performance and durability through countless severe duty cycles. These efforts have resulted in a premium filtration product line that provides an outstanding competitive difference and superior system protection designed specifically for your Case and Case IH equipment.



Ultra filters with MicroLoc™ offer the following advantages:

- **POLYMERIC COMPOSITION**
- **MULTI-LAYERED DESIGN**
- **CONTINUOUS FIBER**
- **HIGH EFFICIENCY**
- **HOT OIL STABILITY**
- **MOISTURE TOLERANCE**
- **SELF-BONDED**
- **UNIFORM FIBER DIAMETER**
- **NEW STANDARD OF FILTRATION**

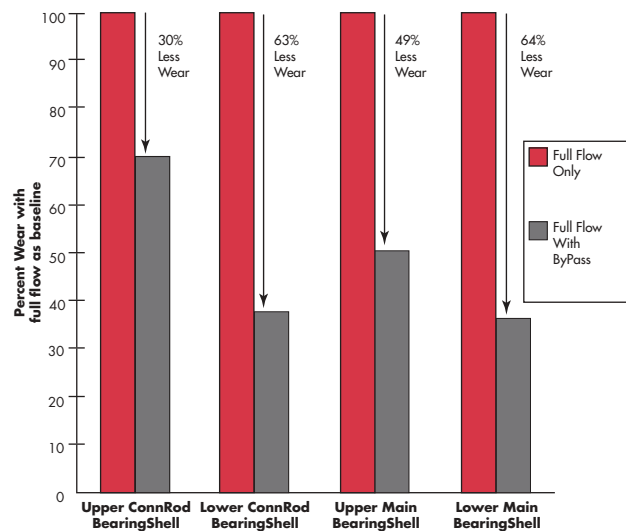
Its unique composition consists of multiple layers of bonded synthetic material. Each layer is made from continuous polymeric fibers of various diameters selected to provide superior filtration, durability and filter life, not available in traditional media.

Bypass Filtration...

The Case/Case IH Ultra MicroLoc™ filter has been shown (per SAE paper 710813 and 790089) to reduce engine wear in the following key components:

- Upper connecting rod bearing shell: 30% less wear
- Lower connecting rod bearing shell: 63% less wear
- Upper main bearing shell: 49% less wear
- Lower main bearing shell: 64% less wear

Bypass Filtration Reduces Engine Wear



By using Ultra filters with MicroLoc™ media, your engine systems will receive the best filtration performance available today. Your filters will remove the small, high wear-causing particles from the minute they are installed until the minute they are removed. Other filter manufacturers may claim to provide superior protection, but there is nothing that protects your equipment like Case Ultra filtration with MicroLoc™

FILTER MAINTENANCE KITS

Case provides an easy maintenance tool for your equipment in one carton with our custom-designed Maintenance Kit program. All the filters you need to service your vehicle are packed as one part number. This convenient maintenance option reduces the number of part numbers in your inventory, and saves warehouse space. Over 600 Kit numbers are available, or you can design your own kit with two or more different products. Order, store and pick one kit number!



Our all-makes filter program offers a comprehensive line of Fleetguard® air, coolant, fuel, hydraulic and lube filtration products for all vehicle applications, including all brands of agricultural and construction equipment, on-highway trucks, industrial engines and automotive.

The Fleetguard product line allows us to offer you a 'one stop shop' for all your filter needs.

- **OVER 5,000 PRODUCTS TO SATISFY MOST APPLICATIONS.**
- **OEM AFFILIATION.**
- **NOT A "JOBBER" OR "WILL-FIT" MANUFACTURER.**
- **MEETS OEM SPECIFICATIONS.**
- **ALL PRODUCTS DESIGNED FOR SPECIFIC APPLICATIONS AND NEEDS.**
- **DEDICATED RESOURCES FOR RESEARCH AND DEVELOPMENT TO PROVIDE ADVANCED AND INNOVATIVE FILTRATION PRODUCTS.**
- **CUSTOMER ASSISTANCE AND SERVICE ENGINEERING SUPPORT AVAILABLE 7 DAYS A WEEK, 24 HOURS A DAY, 365 DAYS A YEAR.**



ANTIFREEZE/COOLANT

Major diesel engine manufacturers estimate that more than 50% of engine failures are cooling-system related. Using a heavy-duty antifreeze/coolant designed for diesel use can help you avoid premature failure. Case heavy-duty coolants are available in a universal low-silicate formulation which requires the addition of Supplemental Diesel Coolant Additive (DCA), or pre-charged with DCA. Pre-charged products are available in concentrate or in 50/50 mixture with high-quality, deionized water.

Case HD Universal Low-Silicate Anti-Freeze/Coolant (without supplemental diesel additives):

| | |
|----------------------|----------|
| 1 Gal. Concentrate | 332393A1 |
| 55-Gal. Concentrate | 332395A1 |
| 275-Gal. Concentrate | 372211A1 |

Case XHD Heavy-Duty Antifreeze/Coolant (pre-charged with supplemental diesel additives):

| | |
|------------------------|----------|
| 1 Gal. Concentrate | 332396A1 |
| 1 Gal. 50/50 Pre-Mix | 332398A1 |
| 55-Gal. Concentrate | 372397A1 |
| 55-Gal. 50/50 Pre-Mix | 335820A1 |
| 275-Gal. Concentrate | 372213A1 |
| 275-Gal. 50/50 Pre-Mix | 372215A1 |

- Balanced DCA chemical additive package helps prevent cavitation erosion of liners, and corrosion of water pumps, yet is formulated to avoid radiator solder bloom and seal deterioration caused by many competitive coolants.
- Pre-mixed products contain a high-quality, deionized water to prevent scaling.
- Also available in 55-gallon drums or 275-gallon totes for competitive bulk pricing.

• FULLY-FORMULATED ANTIFREEZE PRODUCTS THAT ARE USER FRIENDLY AND REDUCE MAINTENANCE COSTS

- ✓ Premixed and Concentrate
- ✓ Universal Low Silicate products for automotive
- ✓ All sizes from 1 gallon to 5,000 gallon bulk

• MULTIPLE SUPPLEMENTAL COOLANT ADDITIVE OPTIONS

- ✓ DCA4 and DCA2 chemistries
- ✓ Liquid or filter chemical additives
- ✓ Extended Service Coolants

• BROAD RANGE OF COOLANT ANALYSIS SERVICES

- ✓ On-site testing with 3-way test strip
- ✓ Monitor laboratory analysis program

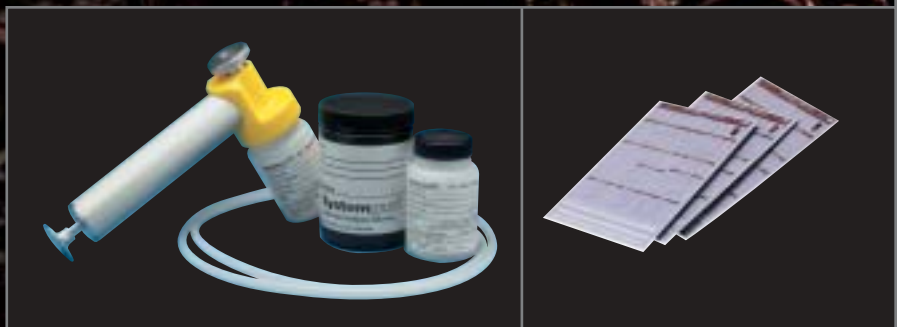
• COMPLETE LINE OF CLEANERS

- ✓ Restore (alkaline)
- ✓ Restore Plus (acidic)



Systemgard™

Your ounce of prevention



WHAT IS SYSTEMGARD?

It's a trend-based fluid analysis program that reveals abnormal wear rates, contamination, leakage and other destructive conditions BEFORE major damage occurs.

The contamination that gradually accumulates in used oil reveals exactly what is happening in your engine or hydraulic system. It indicates whether everything is functioning properly, or if a problem is developing that requires prompt attention, to prevent a costly breakdown. The Systemgard "ounce of prevention" helps control your equipment operating costs.

IS PREVENTION WORTH THE EFFORT?

Your Case and Case IH equipment is the finest available in the industry, and is designed to meet your operational needs for many years to come. Chances are you did your homework before deciding to make your equipment investment. Protect that investment with an effective preventative maintenance program.

The Systemgard lubricant analysis service is the key to maximizing your preventative maintenance efforts. Regular use of Systemgard analysis alerts you to minor problems that can be fixed during scheduled maintenance. This will help prevent downtime and lost productivity. Though repairs frequently involve high labor and material costs, they are often miniscule compared to those associated with late harvests or missed contract deadlines.

Think of a time when your business was most reliant on your equipment and imagine the impact of losing that equipment unexpectedly. Prevention through Systemgard is well worth the effort.

WHAT MAKES SYSTEMGARD UNIQUE?

The Systemgard program is a trend-based lubricant analysis that identifies problems early in their development. Each test report provides severity codes and troubleshooting recommendations. Severe findings are communicated immediately via phone, fax or e-mail. Competitive analysis programs work fine for detecting when components have failed. At that point, an oil analysis is of minimal use. It's certainly too late to take any preventative measures. Because of our extensive database of Case equipment, Systemgard does a better job of interpreting what the results mean and recommending preventative action.

• FEATURES

- ✓ Provides trend based analysis
- ✓ Tests for over 20 metals
- ✓ Tracks component wear metals
- ✓ Reports contaminant levels
- ✓ Details vital oil-additive levels
- ✓ Provides precise values
- ✓ Supplies easy-to-read format
- ✓ Flags problem areas
- ✓ Speeds troubleshooting
- ✓ Eases problem diagnostics
- ✓ Gives immediate notification

• BENEFITS

- ✓ Reduced emergency repairs
- ✓ Reduced equipment downtime
- ✓ Predictive maintenance
- ✓ Reduced major repairs
- ✓ Increased equipment productivity
- ✓ Optimized maintenance procedures
- ✓ Reduced maintenance overhead costs
- ✓ Reduced repetitive repairs
- ✓ Simplified repair efforts

SYSTEMGARD PROCESS:

1. Acquire Sample kits:

Tests and Report costs are included in purchase price.

M20903B – Lube Oil Analysis kit

M20904B – Hydraulic Oil Analysis Kit

CC2546W5 – Lube Oil Analysis Kit with Tubing + prepaid postage

CC2547W5 – Hydraulic Oil Analysis Kit with Tubing + prepaid postage

2. Fill sample bottle with appropriate oil.

3. Complete information form for each sample.

4. Mail sample with the supplied mailing label.

SYSTEMGARD KITS

- M20903B, Systemgard Engine Oil Analysis Kit, non-postage prepaid, no tubing included
- M20904B, Systemgard Hydraulic Oil Analysis Kit, Non-postage prepaid, no tubing included
- CC2546W5, Systemgard Engine Oil Analysis Kit, postage prepaid, tubing included
- CC2547W5, Systemgard Hydraulic Oil Analysis Kit, postage prepaid tubing included

OIL SAMPLING SUPPLIES

- CC2802 - Vacuum Pump for Oil Sampling
- 3899452W5S - 100 Foot Roll of Plastic Tubing

FLEETGUARD MONITOR™ ANALYSIS PACKAGES

available through your Case/CaseIH Dealer

| Fleetguard | | | Fleetguard | | |
|-------------|---|------------------------------|-------------|---|------------------------------|
| Part Number | Analysis Package | Tests Included (chart codes) | Part Number | Analysis Package | Tests Included (chart codes) |
| CC 2525 | Engine Oil Analysis | A, B, C | CC 2650 | Diesel Fuel Go/No-Go Analysis | N, O, P |
| CC 2528 | Engine Oil Analysis/Pre-Paid Mailer | A, B, C | CC 2651 | Diesel Fuel Quality Analysis | I, J, K, L, N, O, P, Q |
| CC 2543 | Correct Oil Drain Analysis | A, B, C, D, E | CC2700 | Cooling System Analysis | R, S, T, U, V, W |
| CC 2544 | Engine Failure Analysis | A, B, C, D, E, F*, H | CC2706 | Cooling System Analysis/Pre-Paid Mailer | R, S, T, U, V, W |
| CC 2527 | Hydraulic & Transmission Fluid Analysis | A, B, D, F* | | | |

*Test G is run when fluid opacity prevents use of test F.

Monitor™ Oil/Hydraulic Tests

| Chart Code | Test | Features | Benefits |
|------------|------------------------------------|--|---|
| A | Elemental Analysis (Spectroscopy) | Universal test identifies the type and quantity of dirt and coolant contamination, misapplied lubricant, wear particles and oil additives. Measures particles up to 10 microns in parts per million. | Determines metal particle content, alerting you to wear occurring in pistons, liners, cams, valves and other engine, transmission and equipment components. |
| B | Infrared Spectroscopy | Lubricant quality test identifies coolant contamination, oxidation, nitration, fuel soot and water percentage. Can be used to compare new and used lubricant. | Signals air/fuel ratio problems which can lead to poor fuel economy and reduced air cleaner efficiency. Warns of oil thickening, diminished oil heat transfer and reductions in flow. Also detects coolant leaks. |
| C | Gas Chromatography | Test for percentage of raw fuel contamination. | Identifies fuel system malfunctions such as fuel line leaks, worn rings and injector or pump problems. |
| D | Viscosity | Lubricant quality test determines "thickness" from 40°C to 100°C. | Helps assess lubricant suitability by indicating thinning from multigrade additive breakdown, potential solvent contamination or thickening due to oxidation. |
| E | Total Base Number (TBN) | Measures reserve-alkalinity in oil to determine its ability to neutralize sulfuric acid from fuel combustion. | Helps avoid future acid damage and corrosion by identifying motor oil which is no longer suitable for continued use. Also helpful in specifying lubricants. |
| F | Particle Count | Measures and reports size of particles in 6 ranges from 5 microns to 40 microns. | Keeps you advised of oil cleanliness and filtration efficiency. |
| G | Direct Reading Ferrography | Determines the ratio of iron particles over and under 15 microns in size. | Warns when the level of iron particles is over 15 microns. Indicates the onset of catastrophic component wear. |
| H | Microscopic Analytical Ferrography | Visually identifies foreign particles by type, size and shape. | Helpful diagnostic tool in failure and disassembly analysis. Indicates the wear likely to have caused engine failures. Also helps make decisions during teardowns. |

Monitor™ Diesel Fuel Tests**

| Chart Code | Test | Features | Benefits |
|------------|-------------------|---|---|
| I | Sulfur % | Identifies percentage of sulfur in diesel fuel. | Helps make decisions regarding the level of base number in the lubricant to provide adequate protection. Valuable for oil and fuel specification. |
| J | API Gravity | Density test to determine fuel volatility, grade and calculated cetane. | Makes it possible to compare actual fuel specifications with any supplier's spec sheet. |
| K | Distillation | Determines 5 boiling ranges necessary to calculate the cetane of fuel. | Identifies dangerous and damaging gasoline contamination and helps verify levels of kerosene added during winter. |
| L | Flash Point | Determines volatility of fuel. | Helps determine the ignition quality of fuel and identifies gasoline contamination. Valuable for fuel specification. |
| M | Cloud Point | Determines temperature at which wax crystals will form during cold weather operation. | Avoids filter plugging. |
| N | Pour Point | Reports temperature at which fuel will gel during cold weather. | Avoids engine operation problems caused by fuel gelation. |
| O | Water % | Measures water content as low as 10 parts per million. | Signals potential engine leaks and fuel contamination. |
| P | Microbes Test | Measures microbe levels. | Indicates whether microbe levels demand addition of biocides and/or tank purging. |
| Q | Calculated Cetane | Provides cetane rating (requires API gravity and distillation). | Identifies ignition quality of fuel and gasoline contamination. Valuable for fuel specification. |

**Diesel fuel only—gasoline tests not available

Monitor-C™ Coolant Tests

| Chart Code | Test | Features | Benefits |
|------------|------------------------------------|--|---|
| R | % Antifreeze and Freeze Point (°F) | Highly accurate antifreeze percentage test. | Helps follow OEM antifreeze concentration recommendations and avoid summer boil over, winter freezing and antifreeze waste. |
| S | Nitrate/Molybdate Levels | Determines the level of chemicals available to combat liner pitting. | Advises of potential pitting problems and required corrective action. |
| T | pH Level | Checks acid/base balance. | Alerts when acidity/alkalinity reaches levels that can lead to damaging corrosion. |
| U | Hardness, Chlorides & Sulfates | Accurate (parts per million) test for dissolved minerals in make-up water. (This test is not run on used coolant). | Helps follow OEM recommendations for make-up water by notifying you when corrosion and scale causing chemicals are at excessive levels. |
| V | Corrosion Products | Spectroscopic test for iron, copper, lead and aluminum. | Signals corrosion in your cooling system. |
| W | Silicate Level | Accurate spectroscopic measurement of silicate content. | Avoids gel plugging of the cooling system caused by too much silicate. |

CASE



As a complete solution provider, Case is ready to equip your business with more than machinery. Your Case dealer offers a full spectrum of service and support, from flexible financing options to protection plans for equipment, property and personnel, all tailored to your needs. You can also count on reliable parts supply, and the strongest warranty in the business. To keep your equipment running at peak performance, your Case dealer provides scheduled maintenance and inspections, performed by factory-trained service personnel who receive extensive training at Case facilities throughout North America. Whether you need full support or advice, your Case dealer will accommodate your needs.

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

IMPORTANT: Case Corporation reserves the right to change these specifications without notice and without incurring any obligation relating to such change. This literature has been published for worldwide circulation. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your Case dealer/distributor will be able to give you details of the products and their specifications available in your area.

Attachments from other manufacturers are shown for illustration only. Case Corporation does not warrant the safety or reliability of these attachments.

Visit Case Corporation on the Web at: <http://www.casece.com>

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ROISSY CDG CEDEX FRANCE

ASIA PACIFIC:

31-67 KURRAJONG ROAD
ST. MARY'S
NEW SOUTH WALES 2760 AUSTRALIA



SAFETY NEVER HURTS!™

Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.