

**NEW FUEL (GAS/DIESEL)
& ENGINE OIL FORMULA
PROTECTS ON 2 FRONTS!**

**CHEMICALLY CREATES A SILICON CARBIDE
CERAMIC NANO-COATING TO DRASTICALLY
REDUCE FRICTION***



**REDUCES WEAR 49% & FRICTION 28%
IN ASTM TESTING***

FUEL
COMBUSTION CHAMBER

**PROTECTS
ON 2
FRONTS**

OIL
SYSTEM

WHAT IS FRICTION FIX?

Friction Fix is a concentrated fuel, oil, and hydraulic treatment designed to reduce "parasitic" friction. This is the unwanted resistance between moving metal parts that wastes energy as heat, vibration, and wear. Its chemistry creates a microscopic silicon-carbide ceramic nano-coating on metal surfaces, helping parts move more smoothly with less friction and wear. ASTM testing has demonstrated up to 28% friction reduction and 49% wear reduction.

Add to your Gas and Diesel Fuel Tanks and Engine Oil

In oil and hydraulic systems, reducing frictional power loss can improve efficiency, smoothness, power and energy output while helping extend component and oil life. In fuel systems, it helps improve combustion, compression, horsepower and fuel efficiency while protecting against carbon and lacquer buildup.

By reducing friction, wear, heat, vibration and stiction, Friction Fix helps more of the system's energy go toward useful work rather than being lost to friction.

Friction Fix is very efficient, requiring only small amounts to be extremely effective** (see next page).



**REDUCES
FRICTION**



**REDUCES
WEAR**



**REDUCES
VIBRATION**



**REDUCES
HEAT**



**ADDS
LUBRICITY**



**IMPROVES
EFFICIENCY**

- 100% Active formula
- Reduces frictional power loss, wear, vibration, heat, & more
- Improves efficiencies, smoothness, power & energy output
- Helps overcome static friction & start-up resistance (stiction)
- Protects against carbon & lacquer buildup
- Helps improve combustion, horsepower, & fuel consumption
- Helps extend engine & oil life
- Increases compression



ASTM TESTING DEMONSTRATES WEAR & FRICTION REDUCTION BY ADDING FRICTION FIX

HYDRAULIC FLUID: WEAR & FRICTION TEST RESULTS - ASTM D4172

**-21%
LESS
WEAR**

**WEAR
SCAR**

**-24%
LESS
FRICTION**

**COEFFICIENT
OF FRICTION**

WEAR SCAR DATA

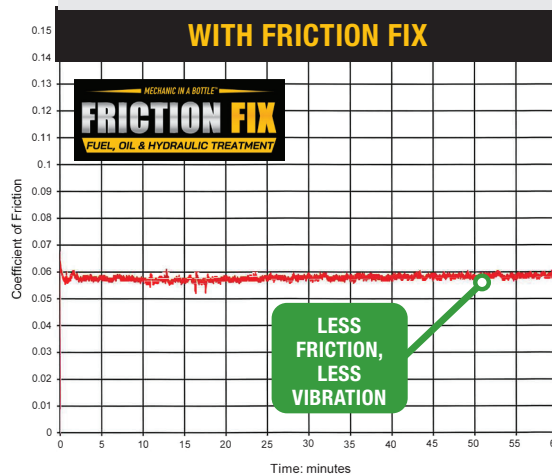
SAMPLE: STP Hydraulic Oil with additive
Lab# 22090237

DESCRIPTION Four Ball Wear with Coefficient of Friction Graph 40 kg, 1200 rpm, 1 hr. @ 75°C	RESULTS Graph attached 0.33 mm
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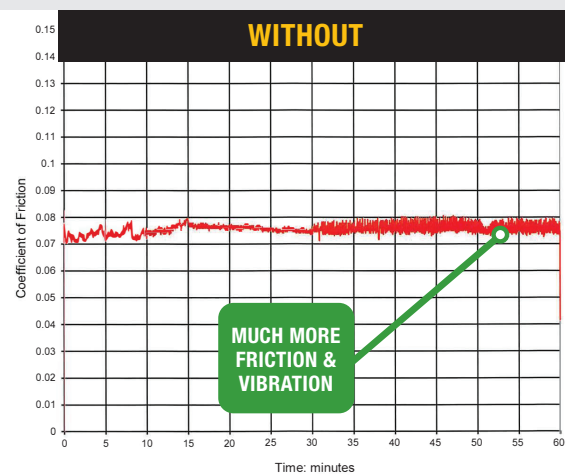
SAMPLE: STP Hydraulic Oil
Lab# 22090236

DESCRIPTION Four Ball Wear with Coefficient of Friction Graph 40 kg, 1200 rpm, 1 hr. @ 75°C	RESULTS Graph attached 0.42 mm
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COEFFICIENT OF FRICTION DATA



Method ASTM D4172 1200 RPM, 40 kg Load, 1 Hour @ 75°C
Wear Scar = 0.33 mm Grand Average = 0.058 Y-O Intercept = 0.057



Method ASTM D4172 1200 RPM, 40 kg Load, 1 Hour @ 75°C
Wear Scar = 0.42 mm Grand Average = 0.076 Y-O Intercept = 0.074

KEEP READING FOR MORE TEST RESULTS



B3C FUEL SOLUTIONS
PHONE: 843. 347. 0482
FAX: (866) 929-7173
B3CFuel.com



For our FULL CATALOG, place your phone camera over the image to the right, then click the link that pops up. Or enter <https://bit.ly/B3Ccatalog> in any web browser.





MECHANIC IN A BOTTLE™

FRICTION FIX

FUEL, OIL & HYDRAULIC TREATMENT

FRICTION FIX CHEMICALLY CREATES A SILICON CARBIDE CERAMIC NANO-COATING TO DRASTICALLY REDUCE FRICTION*

**** FRICTION FIX is highly efficient with treatment use at only 1% of the capacity of the oil system (vs. competitive products requiring up to 5 to 20%), 1 oz per 40 gallons of gas or diesel fuel, 6 oz per 20 gallons of hydraulic fluid, and 6 oz per gear oil system.**

ENGINE OIL: WEAR & FRICTION TEST RESULTS - ASTM D4172

**-27%
LESS
WEAR**

**WEAR
SCAR**

**-17%
LESS
FRICTION**

**COEFFICIENT
OF FRICTION**

WEAR SCAR DATA

SAMPLE: Shell Rotella, additive
Lab # 23021604

DESCRIPTION

Four Ball Wear with Coefficient of Friction Graph
40 kg, 1200 rpm, 1 hr. @ 75°C

RESULTS

Graph attached
0.35 mm

SAMPLE: Shell Rotella, no additive
Lab # 23021603

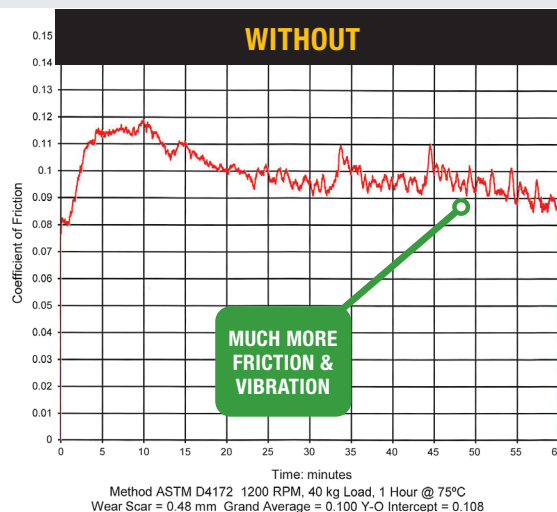
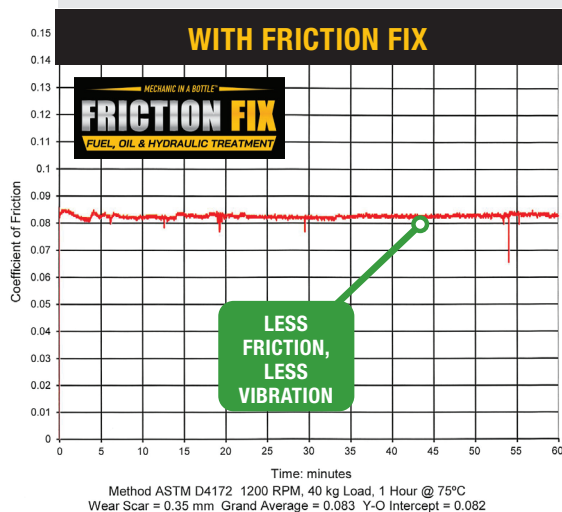
DESCRIPTION

Four Ball Wear with Coefficient of Friction Graph
40 kg, 1200 rpm, 1 hr. @ 75°C

RESULTS

Graph attached
0.48 mm

COEFFICIENT OF FRICTION DATA



GEAR OIL: WEAR & FRICTION TEST RESULTS - ASTM D4172

**-49%
LESS
WEAR**

**WEAR
SCAR**

**-28%
LESS
FRICTION**

**COEFFICIENT
OF FRICTION**

WEAR SCAR DATA

SAMPLE: Gear Oil 80-90 with additive
Lab# 23030106

DESCRIPTION

Four Ball Wear with Coefficient of Friction Graph
40 kg, 1200 rpm, 1 hr. @ 75°C

RESULTS

Graph attached
0.43 mm

SAMPLE: Gear Oil 80-90 with No Additive
Lab# 23030107

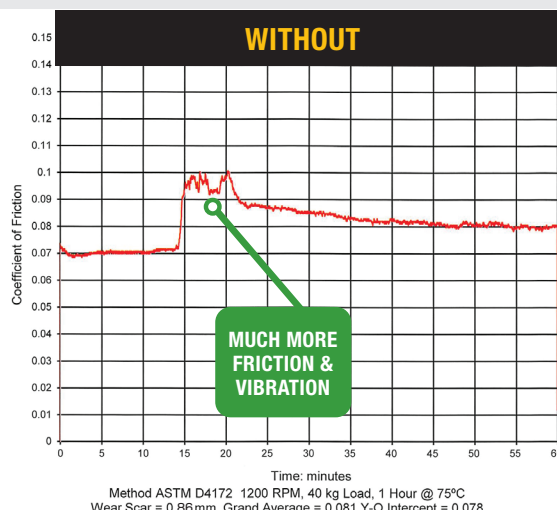
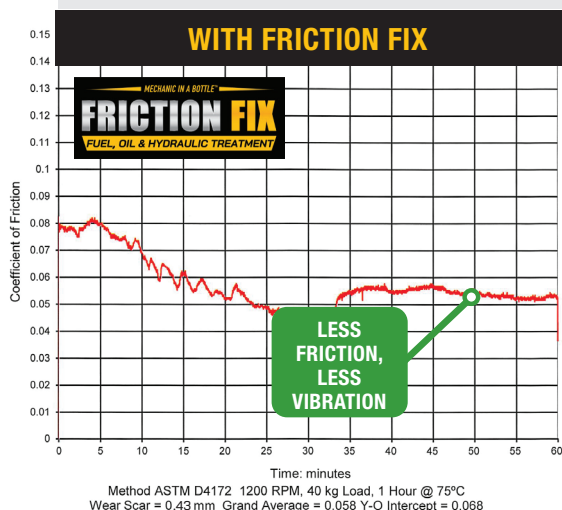
DESCRIPTION

Four Ball Wear with Coefficient of Friction Graph
40 kg, 1200 rpm, 1 hr. @ 75°C

RESULTS

Graph attached
0.86 mm

COEFFICIENT OF FRICTION DATA



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