

HIVIS

It's not your ordinary gear oil.



Consider the benefits of using HIVIS in your operation. You'll be in good company.

"...we had a gear reducer beginning to fail. With cold weather approaching, the chance of a failure was greatly increasing. HIVIS really clings to the gears. Almost immediately, noise was reduced and seals stopped leaking. Equipment we were looking to replace at anytime has now been operational for over a year."

"...HIVIS makes our fork lifts run smoother and quieter. It's the best gear oil I've ever seen."

"...42 of the pressure lubricated molding machines in our operation are now using HIVIS. Other type lubricants used by us in the past have caused various problems. Oil dripping on the finished parts, premature wear of the pins and bushings and excessive usage of the lubricant. Since switching to HIVIS we have recorded a reduction in our use of the lubricant without sacrificing lubrication effectiveness. Its clinging qualities have reduced the dripping problem significantly."

"...HIVIS has drastically cut down our oil changes and waste oil disposal costs."

"...We've been using HIVIS in a reservoir tank where the chains that propel our conveyor run through. HIVIS doesn't drip off during the cycle. In fact, we're wondering how to come up with a way to just run the chains through the HIVIS every third revolution!"



Proudly Made in the U.S.A.

AMERICAN INDUSTRIES, INC.

NATIONWIDE TOLL FREE 800-753-5153 · 4300 KAHN DRIVE · LUMBERTON, NORTH CAROLINA 28358 USA

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HIVIS

Non-Foaming Multi-Viscosity Premium EP Gear Oil

HIVIS is lubricant engineering at its best, providing the highest level of gear and bearing protection under the most demanding industrial and fleet applications.

Superior EP Protection

HIVIS is formulated to provide the highest levels of wear prevention achievable by combining superior additives and soluble moly with tackifier to provide better coverage. Simply put, HIVIS gets more gear oil on the gear teeth where it belongs - and keeps it there - better than any traditional gear oil.

One product for your year-round lubrication requirements

HIVIS is stable over a wide range of operating temperatures. In cold temperatures, HIVIS flows freely as an SAE 85; yet has the viscosity of an SAE 140 at high temperatures. It has superior film protection in extreme thermally stressed conditions.

Extends the life of both new and used gears

- Reduces friction
- Gearboxes run smoother with less noise
- Reduces or even stop seals from leaking
- Reduces gearbox operating temperature
- Prevents pitting, ridging, spalling and wear by reducing friction and heat

Climbs and clings to gears long after traditional oils give out

- Prevents dry starts
- Keeps critical wear points continually lubricated
- Excellent cohesion/adhesion properties
- Resists fling off under shock loading
- Superior tackifier AND soluble moly in HIVIS assure exceptional shear stability. HIVIS continues to cling and protect long after traditional oils fail.



Anti-foaming

Eliminates a wide range of harmful oil foaming problems, including seal “weep” and leakage.

Superior protection against rust, corrosion, acids, oxidation and deposit formations

- Protects brass, bronze, copper components
- Drastically reduces carbon, sludge and varnish deposits on bearings, gears and seals.

Cuts maintenance and disposal costs

- Reduces lubricant consumption
- Extends oil drain intervals – up to five times longer than traditional oils
- Extends gear unit service life – improves machine reliability
- Reduces environmental impact – lowers lubricant/waste oil disposal rate
- No messy fling-off requiring cleanup
- Stops or greatly improves leaking gearboxes, no messy cleanup
- Drainable



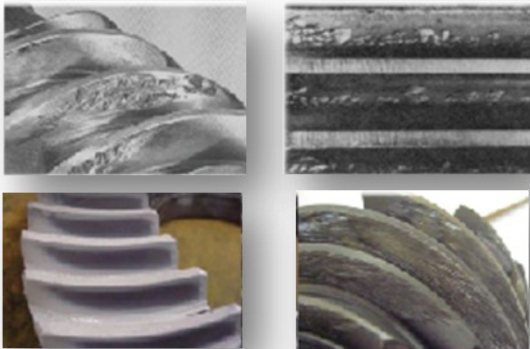
Completely resistant to water washout, spray-off, harsh environments

Also resists condensation, humidity, rain and other forms of moisture found in hot or humid environments. In cold temperatures, HIVIS provides wear protection during start up to prevent dry starts.

Color you can see

HIVIS's strong green color allows for easy and immediate visual detection to monitor gearboxes for leakage.

Prevents pitting, ridging, spalling and wear
by reducing friction and heat



**HIVIS has exceptional
load carrying,
extreme pressure,
anti-wear properties.**



HIVIS and all American Industries products are proudly made in the USA.

Areas of Use

HIVIS may be used in virtually all types of gearboxes. HIVIS can also be used as a service fill for all industrial gearboxes, worm gears, differentials, axles, transfer cases and power dividers.

Customers Speak:

"We've been using HIVIS in the gear boxes on our crusher machines. One gear box had been leaking badly until we put in HIVIS. No more leaking, and no foaming. Now, we can actually look through the window and see the level of the gear oil."

-Metal Recovery Facility

HIVIS

Technical Specifications:

TESTING DESCRIPTION	METHOD	RATING
ISO	ISO	320
SAE Weight	SAE	85W140
AGMA Rating	AGMA	6EP
Appearance	Visual	Green
Density Kg/L @ 15.0° C	D-1298	0.914
Viscosity, cSt @ 40° C	D-445	320
Viscosity Index	D-2270	106
Flash Point, COC (°F)	D-92	435
Fire Point, COC (°F)	D-92	480
Pour Point (°F)	D-97	-5
Total Acid Number, mg KOHg	D-974	4.7
Foaming Tendency Sequence I: 75°F, ml	D-892	0/0
Sequence II: 200°F, ml	D-892	0/0
Sequence III: 75°F, ml	D-892	0/0
Four Ball, Wear Scar Dia. Mm	D-2266	0.28
Timken OK Load, lbs	D-2782	70
FZG, Pass Stages	DIN51354	13
Rust Test	D-665	Pass
Copper Strip Corrosion Test 3 hrs	D-130	1a
Falex EP Continuous Load Procedure A (Failure Load, lbs) Oxidation Test	D-3233	75
Viscosity Increase after 312 hrs @203°F/95°C	D-2893	2%
Thermal Oxidation Test L-60-1 (% Viscosity Index)	D-5704	23
Demulsibility Test Free Water, ml	D-2711	85
% Water in oil	D-2711	0.5
Emulsion, ml	D-2711	Nil

HIVIS Meets or Exceeds:

AGMA 9005 E02
 AGMA 251.03
 AGMA 250.04
 DAVID BROWN TYPE E
 CINCINNATI MILACRON
 DIN 51517 PART 3
 US STEEL 224
 API GL 5, MT-1, PG-2
 MACK GO-H, GO-J
 EATON PS-037
 NAVISTAR TMS-6816
 AXLE DIVISION, DANA
 JOHN DEERE J11D
 FORD M2C-119A
 SAE 2360
 MIL-L-2105D
 MIL-L-2105E
 MIL-PRF-2105E

Additional Ratings

USDA Rating H2
 HMIS Ratings:
 Health 1
 Flammability 1
 Reactivity 0
 Personal Protection B

Available Packaging

Item #1645.006	Quart Containers with screw-on spouts, 6 Qt/Cs
Item #1625.035	35 lb pails
Item #1625.120	120 lb drum

201204.1



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Specialty Lubricants & Chemicals Since 1969

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