



PERFORMANCE PLUS OILS AND LUBRICANTS
PERFORMANCE UNDER THE MOST EXTREME CONDITIONS



AUTOMOTIVE ENGINE | AUTOMOTIVE DRIVELINE | HEAVY DUTY ENGINE | HEAVY DUTY DRIVELINE | HYDRAULIC | GEAR OILS | GREASES | INDUSTRIAL LUBRICANTS | ANTIFREEZE

ANTI-WEAR RED HYDRAULIC OILS

Performance Plus® Anti-Wear Red Hydraulic Oils have been proven and tested to extend intervals between drains versus the leading competitors. They are built on the foundation of our highly refined, hydro-treated, high VI - KLEEN+ base oils and contain a red dye designed to meet the stringent hydraulic demands of the construction, industrial, mining, logging and agriculture industries. Additionally, they are formulated with zinc/phosphorous additive to minimize wear in high speed, high-pressure vane, gear, and piston pumps. Performance Plus® Anti-Wear Hydraulic Oils have been proven and tested to control sludge and deposits and protect against oxidation and corrosion.

PERFORMANCE PLUS PROPERTIES

ISO Viscosity Grade	22	32
Kinematic Viscosity cSt @ 40°C	22.7	32.7
cSt @ 100°C	4.6	5.8
Viscosity Index	118	122
Oxidation Stability, hrs.	4,500	6,500
Copper Corrosion	1b	1b
Demulsibility	Pass	Pass
Rust Characteristics, A&B	Pass	Pass
Specific Gravity 15.6°C (60°F)	0.847	0.849
Dielectric Strength (avg KV)*	>35	>35
Flash Point, °C (°F)	212 (414)	230 (446)
Pour Point, °C (°F)	-39 (-38)	-39 (-38)
Color	Red	Red

Approvals and Specifications

Performance Plus® Anti-Wear Red Hydraulic Oils are suitable for use, meet and can exceed the stringent requirements of the following:

Eaton-Vickers 35VQ25A	Parker Hannifin HF-0
Eaton-Vickers M-2950-S	Parker Hannifin HF-1
Eaton-Vickers I-286-S	Parker Hannifin HF-2
Ford M6C32	Fives P-68

<i>DIN 51524 Part 1</i> **	<i>ASTM D6158</i> **
<i>DIN 51524 Part 2</i> **	<i>ISO 11158</i> **
<i>US Steel 136</i> **	

Since Performance Plus Anti-Wear Red Hydraulic Oils meet and can exceed the latest stringent OEM requirements, they are also suitable for use in the following brands where the above specifications are called for:

Caterpillar	Mitsubishi
John Deere	Volvo
Komatsu	Terex
Liebherr	Hitachi
Mazak	Toyota
Okuma	Haas
Doosan	Mori Seiki
New Holland	Case IH
Mahindra	Kubota

Note: Values shown above are representative of current production and may vary within modest ranges

*Dielectric strength is tested as an average value of several test runs as measuring kV is not precise and results can vary. This value **only** applies to the point of manufacture at our facility and **does not** apply to bulk delivery. The product will lose if dielectric strength greatly when exposed to contamination. Always refer to your equipment owner's manual to properly manage.

**Suitable for use in applications that call for these Specifications

Information regarding recommended maintenance and equipment operating conditions can be found by referencing Original Equipment Manufacturer's (OEM) owner's manual and lubricant recommendations.

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ANTI-WEAR RED HYDRAULIC OILS

Features and Benefits: Performance Plus Anti-Wear Red Hydraulic Oils deliver the performance and provide extra protection demanded by today's hydraulic systems. Tested, proven, and trusted quality are why those demanding the best, turn to Performance Plus. In addition to power, performance and protection, Performance Plus Anti-Wear Red Hydraulic Oils offer:

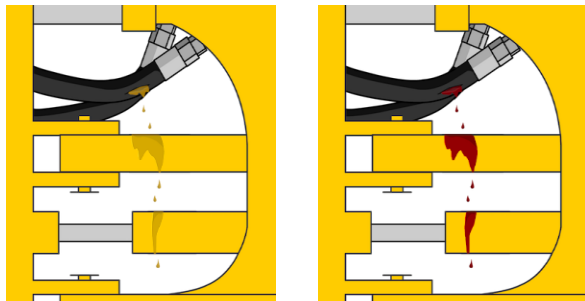
- Formulated with a high visible red dye
- Formulated to maintain system cleanliness
- Rejects water with demulsifier additives
- Enhanced high temperature stability
- Excellent anti-wear properties

- Reduces oil usage by early leak detection
- Extending filter life and reducing downtime
- Protects the system from corrosion
- Performs under extreme conditions
- Reducing maintenance downtime and mechanical failures

Proven and Trusted: The foundation of all Performance Plus products is the tested, proven and trusted base oil which exceeds the performance of many of the major oil refiners. Our finished lubricants start at a higher level than the competition due to our formulated blend of high quality base oils and additives.

Leak Detection

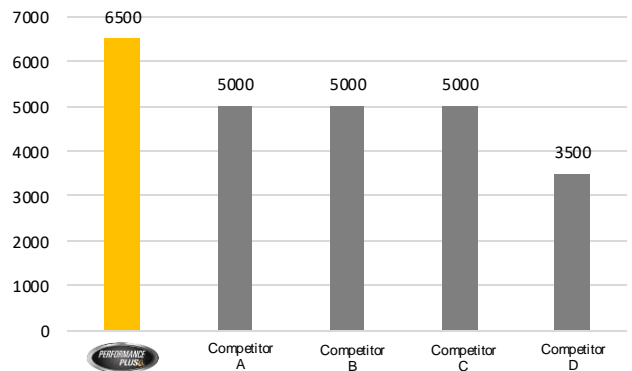
Performance Plus® Anti-Wear Red Hydraulic Oils contain a highly visible red dye, which allows for easy detection of leaks so that they can be repaired. Quick detection of leaks can avoid excessive oil top offs and environmental concerns.



No Dye

Dye Added

Oxidation Stability



Performance Plus® Anti-Wear Red Hydraulic Oils can deliver performance that extends well beyond all other competitors in the industry, achieving 6,500 hours of oxidation stability which can extend your time between change intervals by at least 1,500 hours!

Health and Safety: Information detailing health and safety can be found in the corresponding Safety Data Sheet on the Performance Plus website. Performance Plus products contain petroleum distillates and are not likely to pose any significant health or safety hazards. Gloves should be used to avoid any contact - do not have contact with skin, washing with soap and water is advised. If ingested, call a poison center or doctor - do not induce vomiting.

Storage: Performance Plus products should not be stored where the temperatures are above 140° F (60° C) or near sparks and flames. Products should be stored under cover and away from the reach of children. In case where drums cannot be under cover, they should be laid horizontally to avoid any potential contaminants.

Disposal: All efforts should be made to protect the environment. Please properly dispose of used motor oil and lubricants. Should you need any assistance please contact your sales representative for information on how Safety-Kleen's used motor oil collection services.

For additional questions, please contact your Performance Plus® Products Sales Representative.

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