

G-Special Power HVLP-32, 46



Hydraulic systems



High performance of hydraulic systems



High anti-wear properties



Excellent stability against oxidation



High viscosity stability



All-season application



Synthetic oil



Developed with technology of DynaVis™

G-Special Power HVLP - a series of synthetic hydraulic oils with excellent viscosity and temperature characteristic for all-season application in hydraulic systems of mobile and stationary equipment. Due to the synthetic base, the oils have excellent oxidation stability and resistance to the formation of deposits, as well as effectively protecting hydraulic system parts from corrosion and cavitation under high loads in various climatic conditions. The latest generation thickener ensures maximum stability of oil viscosity under conditions of high mechanical loads on the hydraulic system and various operating temperatures during the entire drain interval. High viscosity index of oils **G-Special Power HVLP** ensures high performance of the equipment.

Application



- Hydraulic systems of mobile equipment (mining, logging, construction, agricultural, municipal) operating in a wide range of ambient temperatures.
- Hydraulic drives of stationary equipment operating outdoors.
- For use in various hydraulic pumps, including those manufactured by Denison, Eaton Vickers, Bosch Rexroth.

Advantages/Potential benefits

G-Special Power HVLP oils with use of the latest generation thickener allow to provide high hydraulic system performance under severe operating conditions:

Characteristics	Advantages/Potential benefits
High viscosity stability under high mechanical loads	Maintaining the required viscosity under high loads on the hydraulic system during the entire drain interval – high pump performance
High anti-oxidation stability	Protection of hydraulic system parts from varnish deposits – accurate and predictable operation of hydraulic drives of equipment, reduction of repair costs
Excellent anti-wear properties	Protection of friction parts of pumps in various modes – ensuring the maximum service life of the equipment
Good viscosity-temperature characteristics	Maintaining the viscosity level in a wide range of operating temperatures – the operability of the equipment in harsh climatic conditions
Improved oil cleanliness class	Compliance with the requirements of equipment manufacturers for the cleanliness class of hydraulic oil – an expanded range of applications of G-Special Power HVLP oils
Rapid air release	Preventing pump cavitation – reducing repair costs

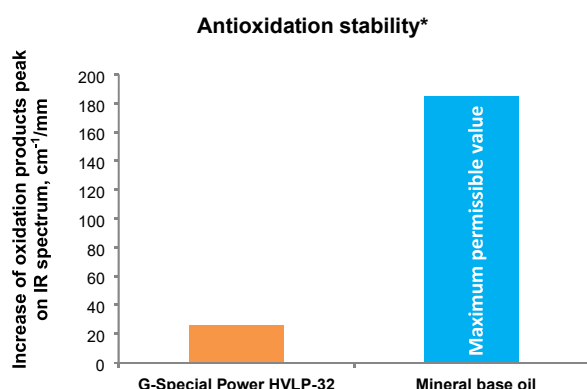
Typical physical and chemical characteristics

Parameters	ISO 32	ISO 46	Method
Kinematic viscosity, mm ² /s at 40 °C at 100 °C at -20 °C at -10 °C	31,3 6,6 870,0 -	46,6 8,9 - 821,0	GOST 33
Viscosity index	172	177	GOST 25371
Flash point, COC, °C	221	216	GOST 4333
Pour Point, °C	-54	-50	GOST 20287
General cleanliness class	12	12	GOST 17216
Density at 20 °C, kg/m ³	847,2	852,6	ASTM D4052

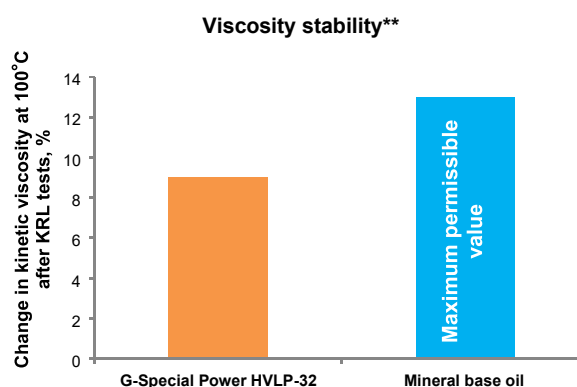
Specifications

- DIN 51524 Part 3
- ISO 11158 HV
- Bosch Rexroth Fluid Rating List RDE 90235 (ISO 32)
- Denison Hydraulics HF-0,1,2 (ISO 32)
- Eaton E-FDGN-TB002-E
- Fives Cincinnati P-68 (ISO 32)
- Fives Cincinnati P-70 (ISO 46)

G-Special Power HVLP oils exceed the requirements of the main specifications according to the tests:



The excellent anti-oxidation stability of G-Special Power HVLP-32 oil provides retaining of performance level and protection against varnish deposits in the hydraulic system throughout the entire drain interval.



The high viscosity stability of G-Special Power HVLP-32 oil allows to maintain the required viscosity level and hydraulic pump performance under high mechanical loads on the hydraulic system during the entire period of use.

* ASTM D7214 test; ** DIN 51350-6 test

The company's management system is certified in accordance with the international standards

ISO 9001



ISO 14001



ISO 45001

