

Agip OSO

DIN 51 524 PART II HLP

Hydraulic oils based on mineral oil with components against corrosion, oil ageing and wear.

Characteristics (typical figures):

Agip OSO	Unit	10	15	22	32	46	68	100	150	Test method
Kin. Viscosity at 40°C	mm ² /s	10,7	14,3	22	30	44	63,7	100	141	ASTM D 445
Kin. Viscosity at 100°C	mm ² /s	2,8	3,3	4,3	5,3	6,8	8,6	11,4	14,3	DIN 51 550
Viscosity index		98	98	102	110	105	105	98	98	DIN ISO 2909
Density at 15°C	kg/m ³	865	860	866	875	880	885	890	895	ASTM D 1298
Flashpoint o. C.	°C	150	200	210	210	220	225	235	245	ASTM D 92
Pourpoint	°C	-27	-27	-28	-27	-24	-21	-21	-21	ASTM D 97
Designation		HLP	HLP	HLP	HLP	HLP	HLP	HLP	HLP	DIN 51 524T.2
ISO-VG-grade		10	15	22	32	46	68	100	150	DIN 51 524T.2

Properties

Agip OSO - types guarantee an untainted operation due to the high Viscosity index, also with larger variations of the ambient temperatures. The low Pourpoint ensures immediate operational readiness of the equipment at low ambient temperatures. Additionally these oils have an excellent wear protection and very good oxidation stability as well as superior corrosion protection properties. The excellent water rejection capability prevents the formation of an emulsion and the good air release capability and anti-foam behaviour cause a fast release of air. They are compatible with the common sealing materials and internal varnishes.

Application

Agip OSO - types are pneumatic fluids for hydraulic power transmission systems and control devices under all operational conditions and highest pressures. The used oil viscosity has to be in accordance with the manufacturer's specifications. These oils are also suitable as lubricating oil (CL resp. CLP according to DIN 51 502) for splash and circular lubrication of bearings and gearboxes. Due to the good corrosion protection these oils are especially suitable for mobile hydraulic systems.

Please observe the manufacturer's specifications when selecting products.

Additional physical-technical data:

Agip OSO	Unit	10	15	22	32	46	68	100	150	Test method
Neutral.-Number (s)	mgKOH/g	0,9	0,9	0,9	1,2	1,3	1,2	1,2	1,2	DIN 51 558T.1
Ageing behaviour increase of the NN after 1000 h	mgKOH/g	---	0,2	0,2	0,2	0,5	0,2	0,2	0,3	DIN 51 587
Water hazardous class	WGK					2				accord. VwVwS

Agip Benelux B.V.

Eemhavenweg 50
3089 KH Rotterdam

Tel: 010 – 2941555 – Fax: 010 – 4294594

www.agip.nl

Corrosion effect on copper	Corr. grade	1 - 100 A 3								DIN 51 759
Corrosion protection properties against steel	Corr. grade	0 - A								DIN 51 585
Demulsifying behaviour		limite								Verf. A
54°C	min.	5	5	10	10	15	---	---		
82°C	min.	---	---	---	---	---	5	20	DIN 51 559	
Air release capacity at 50°C	min.	2	2	3	3	7	8	10	17	DIN 51 381
FZG-Test A/8,3/90 load stage		---	---	> 12	11	> 12	> 12	> 12	> 12	DIN 51 354
spec. change of weight	mg/KW	---	---	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	Part 2
Vickersp.-test										
Ring weight loss		---	---	< 120	< 120	< 120	< 120	< 120	< 120	DIN 51 389
Vane weight loss		---	---	< 30	< 30	< 30	< 30	< 30	< 30	
Behaviour against sealing materials Nitrile 88, NBR101 7d/100°C, rel. change of volume	%	+3,4	---	+6	+0,6	+0,6	-0,6	3,2	-0,8	(comparable with SRE NBR1), DIN 53 538T.1u. DIN 53 521
Change of SHORE-A-hardness	SH	- 2	---	-3	0	---	0	-1	0	DIN 53 505
Designation		CLP 10	CLP 15	CLP 22	CLP 32	CLP 46	---	---	---	DIN 51 502T.3

Specification

Agip OSO, meets or exceeds the requirements of the following specifications.

specificatie

AFNOR NF E 48603 HM

BS 4231 HSD

CETOP RP 91 H HM

DENISON HF 2

DIN 51524 PART II, HLP

ISO-L-FD

VDMA 24318

AAVG,
GEPRINT:

juni '04
dinsdag 3 januari 2006