

Product Data Sheet

VITALUBE AHS is an anti-wear hydraulic fluid based on synthetic polyalphaolefins.

It is formulated with raw materials approved by FDA for incidental food contact, (regulation 21 CFR178.3570).

Inhibition includes a good anti-wear system to minimise pump wear and corrosion inhibitors to protect against moist atmospheres. A good anti-foam system and a high level of oxidation protection are also included.

VITALUBE AHS is available in ISO VG 32, 46, 68 viscosities. The **VITALUBE AHS** series meets AQIS & MAF standards and the former USDA H1 authorisation.

ADVANTAGES

- § Excellent corrosion resistance.
- § Excellent lubricity.
- § Excellent anti-wear properties.
- § Very high oxidation resistance.
- § Good demulsibility.
- § Low foam characteristics.
- § Good air release properties.
- § Multi-purpose
- § Wide operating range.
- § Physiologically safe.

§ For example:

- Dairy
- Sugar and canning industries.
- Breweries
- Slaughter houses.
- Bakeries
- Bottling plants etc.

§ VITALUBE AHS hydraulic oils meet the requirements of

- ISO 6743/4 Class L-HM
- DIN 51524 Part 2-3 (HLP & HVLP)

APPLICATIONS

- § VITALUBE AHS hydraulic oils are specially developed for food and packaging industries where incidental food contact can occur.

RECOMMENDATIONS

- § Please observe the manufacturers instructions.

Performance Lubricants

VITALUBE AHS
32, 46, 68

Performance Lubricants

VITALUBE AHS 32, 46, 68

TECHNICAL DATA

TESTS	UNIT	AHS 32	AHS 46	AHS 68
Density @ 15°C	g/ml	0.84	0.84	0.84
Kin. Viscosity @ 40°C	cSt	32	46	68
@ 100°C	cSt	6.2	8.1	11.0
Viscosity Index	-	146	150	152
Pour Point	°C	- 45	- 45	- 45
Flash Point PMC	°C	200	200	200
Demulsification	min	40/40/0(10)	40/40/0(10)	40/40/0(10)
Foam Sequence 1	ml	Nil	Nil	Nil
Air release	min	1	2.5	3.5
IP 135B – Salt water	-	No Rust	No Rust	No Rust
Copper Corrosion IP 154 3 hours - @ 100°C	-	Class 1	Class 1	Class 1
Oxidation IP 306 (164 hrs catalysed) Sludge	%	0.3	0.3	0.3
T.O.P.	%	0.5	0.5	0.5
4 Ball Test Weld point	kg	170	170	170
1 hr. wear @ 30kg, 1460rpm	Mm	0.32	0.32	0.32
FZG Fail Stage	-	12	-	-
Vickers Vane Pump Test 104°C – Total Wt Loss	mg	-	5	-
Approvals		USDA H1	USDA H1	USDA H1

These technical data are based on average test results. Minor deviations may occur from case to case.

For further information please contact the Technical Service Department of Castrol's Performance Lubricants Division on 1800 802 043.

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