



Denison Vane Technology

Parker Hannifin France SAS

142, rue de la Forêt
FR-74130 Contamine-sur-Arve

Tél. +33 (0)4 50 25 80 25
Fax +33 (0)4 50 03 67 37

SUN SIAM Co. Ltd.

Att Mr. Siwas Hungspruke
325, 327, 329 SOI PATTANAKARN 3
PATTANAKARN RD.
BANGKOK, 10250
THAILAND

Vierzon April 13th, 2017

Subject : Fluid **SUN'SOIL HYDRAULIC (AW)**.

Kind attn : **Mr. Siwas Hungspruke**,

Dear Sir,

With reference to the documents submitted, the subject fluid is approved for being included on our list DENISON approved fluids for :

HF0, HF1, HF2
Approval number : 607(1)

This fluid will be listed under the brand name...	SUN'SOIL HYDRAULIC (AW)
The manufacturer to be listed as.....	SUN SIAM Co. Ltd.
The ISO classification as.....	HM
The approved grade as.....	ISO VG 32, 46 & 68
The listing date will be.....	June 2016
Test passed.....	Read across with files 370 & 565

Please note the product will be on the list until **June 2026**, the listing being for a limited period of 10 years. It can be extended for an additional 5 years by notifying us in writing that the fluid is still actively marketed. That notice should occur during the last six months of the initial listing period. This later condition is due to the fact that many fluids on the list are no longer available and we try to make it a more usable document.

Hoping this will not cause any inconvenience

Best Regards

Philippe PARREAU
PARKER HANNIFIN France S.A.S
Consultant for
VPDE, Hydraulics Group, Denison Vane Pumps & Motors
(VPDE = Vane Pump Division Europe)
Cell : +33 (0)6 75 48 50 26
pparreau@wanadoo.fr

Parker Denison approved fluids list



Manufacturer	Commercial name	ISO VG 32	ISO VG 46	ISO VG 68	Ashless	Zn free	PAO	HF0	HF1	HF2	HF3	HF4	HF5	HF6	HM	HV	HETG	HEPG	HEES	Food Grade	HFAE	HFAS	HFB	HFC	HFDR	HFDU	UTTO / THF
Safety Kleen Systems Inc.	Performance Plus Zinc Free Hydraulic Oil AW	X	X	X		X		X	X	X					X												
Schaeffer Manufacturing Company	#275S Dilex Supreme MEHF		X					X	X	X						X											
SHELL CANADA	Shell Tellus Oils T (SCAN)		X					X	X	X						X											
SHELL Global Solutions	Shell Naturelle HF-X		***X		X				X	X				X		X			X								
SHELL Global Solutions	Shell Tellus S2 M	X	X	X				X	X	X					X												
SHELL International Petroleum Company	Shell Tellus S2 MX	X	X	X				X	X	X					X												
SHELL International Petroleum Company	Shell Tellus S2 VX	X	X	X				X	X	X						X											
SHELL Global Solutions	Shell Tellus S3 M	X	X	X		X		X	X	X					X												
SHELL Global Solutions	Shell Tellus S4 ME	X	X	X				X	X	X					X												
SHELL Global Solutions	Shell Tellus S3 V	X	X	X				X	X	X						X											
SHELL Global Solutions	Shell Tellus SX-Z	X	X	X				X	X	X					X												
Sinopec Lubricant Company	Great Wall AE Hydraulic Oil	X	X	X				X	X	X					X												
Sinopec Lubricant Company	Great Wall EAL HF-E	**X	***X	***X					X	X				X		X			X								
Sinopec Lubricant Company	Great Wall L-HM	X	X	X				X	X	X					X												
Sinopec Lubricant Company	Great Wall L-HM Ashless	X	X	X	X			X	X	X					X												
Sinopec Lubricant Company	Great Wall L-HV		X													X											
Sinopec Lubricant Company	Sinopec AE Hydraulic Oil	X	X	X				X	X	X					X												
Sinopec Lubricant Company	Sinopec EAL HF-E	***X	***X	***X					X	X				X		X			X								
Sinopec Lubricant Company	Sinopec L-HM	X	X	X				X	X	X					X												
Sinopec Lubricant Company	Sinopec L-HM Ashless	X	X	X	X			X	X	X					X												
Sinopec Lubricant Company	Sinopec L-HV		X													X											
SK Lubrificants	ZIC SUPERVIS AW	X	X	X				X	X	X					X												
SK Lubrificants	ZIC VEGA	X	X	X				X	X	X					X												
SUN SIAM Co. Ltd.	SUN'SOIL HYDRAULIC (AW)	X	X	X				X	X	X					X												
Terresolve RSC Bio Solutions	RSC EnviroLogic HF32, HF46, HF68	X	X	X	X				X	X				X		X	X										
Terresolve RSC Bio Solutions	RSC EnviroLogic HF32HP, HF46HP, HF68HP	X	X	X	X				X					X													
Tianjin Sure Energy Lubrication Technology Co.	Sure Energy HM	X	X	X				X	X	X					X												
TJNISSEKI NISSEKI LUBRICANTS & GREAS	TJNISSEKI Anti-wear Hydraulic Oil L-HM	X	X	X				X	X	X					X												
TNK Lubricants LLC	TNK Hydraulic HLP	X	X	X				X	X	X					X												
TNK Lubricants LLC	TNK Hydraulic HVLP	X	X	X				X	X	X						X											
Tongyi Petroleum Chemical Co. Ltd.	Tongyi HM	X	X	X				X	X	X					X												
Tongyi Petroleum Chemical Co. Ltd.	Tongyi Cave HM-L	X	X	X				X	X	X					X												
Tongyi Petroleum Chemical Co. Ltd.	Tongyi Tongli HM-L	X	X	X				X	X	X					X												
Total Lubrificants	Azolla ZS	X	X	X				X	X	X					X												
Total Lubrificants	Biohydran SE	**X	***X	***X					X	X				X		X			X								
Total Lubrificants	Equivis HE	X	X	X				X	X	X						X											
Total Lubrificants	Hydroflo CT		X					X	X	X						X											
TUPO LUBRICANT CO., LTD	Premium Enhanced Anti-wear Hydraulic Oil L-HM	X	X	X				X	X	X					X												
UNIL OPAL	UNIL OPAL HFO	X	X	X				X	X	X					X												
VIAL OIL Ltd.	Consol Hydraulic HLP		X					X	X	X					X												
VIAL OIL Ltd.	Select-Hydraulic HLP		X					X	X	X					X												
Vickers Oils	ECOSURE EAF	**X	***X	***X	X				X	X				X		X			X								
Vickers Oils	ECOSURE HSE	**X	***X	***X	X				X	X				X		X			X								
Wakefield CANADA	Castrol Paradene AW	X	X	X				X	X	X					X												
Wuxi Runer Petrochemical Co.,Ltd.	Hydraulic Fluids Runer L-HM	X	X	X				X	X	X					X												
Yinhang Petrochemical Co.,Ltd.	Linghang Qibing L-HM Hydraulic Oil	X	X	X				X	X	X					X												

* Fluid under field or laboratory test with acceptable performances on Denison vane pump

*** Can be used until 120°C

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