

February 23, 2011

Mr. Yaroslav Treskov
c/o Mr. Phil Rohrer
Afton Chemical Corporation
500 Spring Street
Richmond, VA 23219

Dear Mr. Treskov,

We have reviewed the fluid properties and the 35VQ25 pump test results, ATS-373 (ASTM D6973) on Gazpromnett Hydraulic HVLP ISOVG 32

Based on the information we received it is our opinion that Gazpromnett Hydraulic HVLP 32 meets the anti-wear requirements for the hydraulic recommendations for Eaton's Vickers products according to brochure 03-401-2010.

Since Gazpromnett Hydraulic HVLP contains polymeric VI improver, allowance should be made for both temporary and permanent shear loss of viscosity when setting maximum operating oil temperature in the system.

Eaton ATS-373 (ASTM D6973), 35VQ25 high pressure vane pump test specifies the test fluid to be ISO viscosity grade 32. You have the option to read across to higher viscosity grade, ISO VG 46 or ISO VG68, only when the exact same type and percentage of the additive technology is used as in the formulation of ISO VG 32 fluid.

Sincerely,



Thelma Marougy
Lubricant Specialist
Eaton Hydraulics Group



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August 24, 2015

Mr. Yaroslav Treskov
Head of Technological Development and Quality Control Department
Gazpromneft-Lubricants, LTD
14/3, Krzhizhanovskogo Street,
Moscow, 117218
Russia

Dear Mr. Treskov:

This letter is to inform you of the approval of the following products which have met the requirements for the Fives Machining Systems machines and Fives Cincinnati P-XX specifications. They will appear in our Approved Lubricants listing as shown below:

SUPPLIER NAME
Gazpromneft-Lubricants, LLC

<u>Product Names</u>	<u>Fives Cincinnati P-Spec.</u>	<u>LAB REF#</u>	<u>TRD</u>
Gazpromneft Hydraulic HVLP 32 [REDACTED]	P-68	60615	6/25/2015
Gazpromneft Hydraulic HVLP 46 [REDACTED]	P-70	60915	6/25/2015
Gazpromneft Hydraulic HVLP 68 [REDACTED]	P-69	60715	6/25/2015

This approval is for a period of three years from the test report date (TRD).

The products tested meet Thermal Stability requirements and any chemical and physical tests that were conducted by Fives Cincinnati. The test datasheets are attached. **The lubricant supplier has evidence that the products generate passing results versus the full complement of requirements, if tested.**

We are granting the approvals for this product based on the sample submitted to us for evaluation. Should any changes or reformulations occur, we are to be notified of these changes and the reformulated product must be submitted for evaluation and re-approval.



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Samplings of all approved products are made periodically from the field for evaluation. Should the product sampling disclose significant variations from that which has been approved, the product will immediately be removed from the Approved Products list.

Sincerely,

Ravi Bhargava, Ph.d., P.E.
Materials and Lubricants Laboratory Manager
Fives Cincinnati
2200 Litton Lane
Hebron, KY 41048 – **United States**
Tel: +1 (859) 534 4616 – Fax +1 (859) 534 4913
ravindra.bhargava@fivesgroup.com
www.fivesgroup.com
Enclosure : Test datasheets
CC. Brian Rhode



Denison Vane Technology

Parker Hannifin France SAS

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

Gazpromneft-Lubricants Ltd.

Att. To Mr. Nikolay Doroshenko
Bloc A, 14/3 Krzhizhanovskogo street
117218 Moscow
RUSSIA

Vierzon January 11th, 2017

Subject : Fluid **Gazpromneft Hydraulic HVLP.**

Kind attn : **Mr. Nikolay Doroshenko,**

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 : 517(1)

This fluid will be listed under the brand name...	Gazpromneft Hydraulic HVLP
The manufacturer to be listed as.....	Gazpromneft-Lubricants Ltd.
The ISO classification as.....	HV
The approved grade as.....	ISO VG 32, 46 & 68
The listing date will be.....	May 2008
Test passed.....	Read across with files 514 & 513

Please note the product will be on the list until **May 2018**, 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)
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