

# DE BEERS GROUP

March 24, 2022

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Government of the Northwest Territories  
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**Subject: Follow-Up Spill Report – Hydraulic Oil – Gahcho Kué Mine – February 23, 2022 (GNWT Spill #2022047)**

Pursuant to Part H Condition 3(d) of Water License MV2005L2-0015, De Beers Canada Inc. (De Beers) is submitting this follow-up spill report for GNWT Spill #2022047, which occurred at the Gahcho Kué Mine at 01:00 on February 23, 2022.

An NT-NU Spill Report was completed and submitted via email to the NWT Spills Hotline (spills@gov.nt.ca) at 09:00 on February 23, 2022.

**Incident Summary:**

Mine operations were travelling a PC2000 Shovel (TV-003) from the pit maintenance pad to the Hearne Pit, when the operator smelled hydraulic oil. He proceeded to shut the unit down and investigated what was causing the smell. The operator found a hydraulic filter had come loose and detached from the housing. He then called the shovel technician for assistance. The shovel technician went to the scene and placed spill pads, installed new filters, continued to cleaned up oil on machine and coordinated with the Mine Operations and Environment team for help with the ground clean up. TV-003 had recently undergone a 2000 hour maintenance service. It was determined that the hydraulic filter canisters came loose due to improper installation, resulting in 150 liters of AST 20 hydraulic oil to spill onto the ground.

**Immediate Actions:**

Once the operator was aware of the odour of hydraulic oil, the equipment was shut down and both their supervisor and mobile maintenance were notified. The maintenance technician then deployed spill pads, while the mine operations supervisor coordinated the cleanup of contaminated materials and remediation of the area.

The spill occurred in the Hearne Pit and all contaminated material was removed and loaded out to the Type 3 Area of the West Mine Rock Pile.

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## **Root Cause:**

TV-003 had recently undergone a 2000 hour maintenance service. It was determined that the hydraulic filter canisters came loose due to improper installation, resulting in 150 liters of AST 20 hydraulic oil to spill onto the ground.

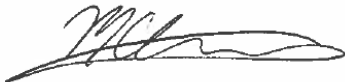
## **Follow-Up Actions:**

The following corrective actions were identified during the internal investigation:

1. Proper hydraulic cylinder installation procedure to be reviewed by all maintenance technicians.
2. Hydraulic cylinder installations to be signed off by senior technician prior to recommissioning.

Should you have any questions or concerns, or require any additional information, please do not hesitate to contact the undersigned at your convenience.

Sincerely,



Mason Elwood  
Environmental Coordinator / Gahcho Kué Mine  
867.679.5814  
mason.elwood@debeersgroup.com

## **Attachments:**

- Figure 1. Location of GNWT Spill #2022047**
- Figure 2. Photos GNWT Spill #2022047**
- Figure 3. Clean Up Photos GNWT Spill #2022047**
- Figure 4. Updated Spill Report (GNWT Spill #2022047)**

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Figure 1. Location of GNWT Spill #2022047

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*Figure 2. Photos GNWT Spill #2022047*



*Figure 3. Clean Up Photos GNWT Spill #2022047*



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## NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS



NT-NU 24-HOUR SPILL REPORT LINE  
Tel: (867) 920-8130 • Email: spills@gov.nt.ca

REPORT LINE USE ONLY

A	Report Date: 02   23   22	Report Time: 9:00 am	<input checked="" type="checkbox"/> Original Spill Report OR <input type="checkbox"/> Update # _____ to the Original Spill Report	Report Number:	
	Occurrence Date: 02   23   22	Occurrence Time: 1:00 am			
C	Land Use Permit Number (if applicable): MV2021D0009	Water Licence Number (if applicable): MV2005L2-0015			
D	Geographic Place Name or Distance and Direction from the Named Location: De Beers Group (Canada) Gahcho Kue Mine (Kennady Lake, NT)	Region: <input checked="" type="checkbox"/> NT <input type="checkbox"/> Nunavut <input type="checkbox"/> Adjacent Jurisdiction or Ocean			
E	Latitude: 63 Degrees 26 Minutes 11 Seconds	Longitude: 109 Degrees 12 Minutes 29 Seconds			
F	Responsible Party or Vessel Name: De Beers Group	Responsible Party Address or Office Location: Suite 300 - 1601 Airport Road NE, Calgary Alberta Canada T2E 6X8			
G	Any Contractor Involved:	Contractor Address or Office Location:			
H	Product Spilled: <input type="checkbox"/> Potential Spill Hydraulic Oil	Quantity in Litres, Kilograms or Cubic Metres: 150 litres	U.N. Number:		
I	Spill Source: Komatsu Excavator (TV-003)	Spill Cause: Loose Filter	Area of Contamination in Square Metres: 5		
J	Factors Affecting Spill or Recovery: None	Describe Any Assistance Required: None	Hazards to Persons, Property or Environment: None		
K	Additional Information, Comments, Actions Proposed or Taken to Contain, Recover or Dispose of Spilled Product and Contaminated Materials: On Feb 23, 2022 at 1:00am, the operator of excavator TV-003 notified mechanic that a hydraulic oil filter fell off while operating in the bottom of the Hearne Open Pit. The mechanic replaced the oil filter, and cleaned the machine. Spill pads were put down to clean up the oil. The contaminated snow and rock were loaded out and placed in the Type 3 area of the West Rock Mine Pile and the spill pads were placed in the proper drum for disposal. The unit released approximately 150 litres of hydraulic oil before it was shut down.  A follow up report will be submitted within the next 30 days detailing the root cause and corrective actions of this incident.				
L	Reported to Spill Line by: Allan Knight	Position: Env. Coordinator	Employer: De Beers	Location Calling From: Gahcho Kue Mine	Telephone: (867) 679-5812
M	Any Alternate Contact: Mason Elwood	Position: Env. Coordinator	Employer: De Beers	Alternate Contact Location: Off-Site	Alternate Telephone: (867) 679-5814

REPORT LINE USE ONLY

N	Received at Spill Line by:	Position:	Employer:	Location Called:	Report Line Number:
Lead Agency: <input type="checkbox"/> EC <input type="checkbox"/> CCG/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA		Significance: <input type="checkbox"/> Minor		File Status: <input type="checkbox"/> Open	
<input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> Other: _____		<input type="checkbox"/> Major <input type="checkbox"/> Unknown		<input type="checkbox"/> Closed	
Agency:	Contact Name:	Contact Time:	Remarks:		
Lead Agency:					
First Support Agency:					
Second Support Agency:					
Third Support Agency:					

Figure 4. Original Spill Report (GNWT Spill #2022047)