

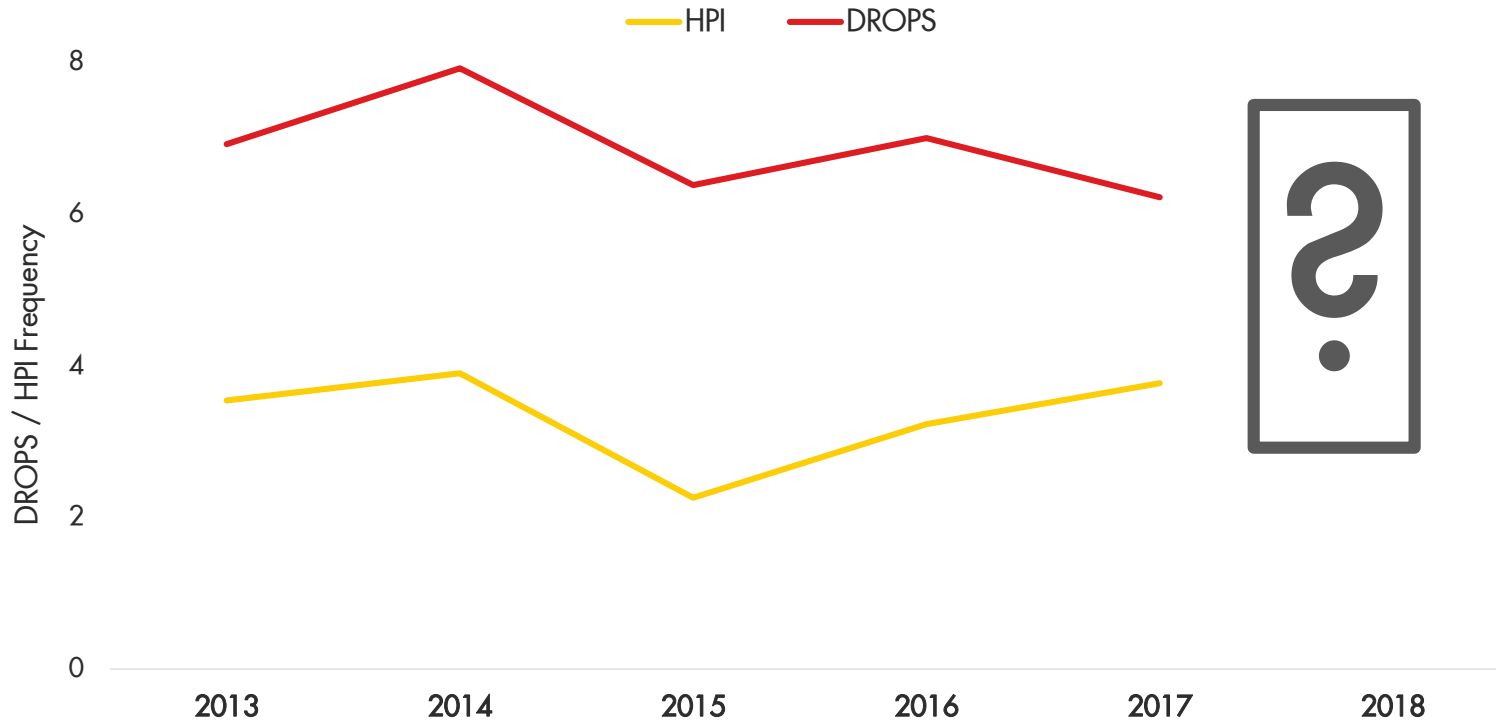


DROPS FORUM **RISK MANAGEMENT OVERVIEW**

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VP UNC Wells & Logistics

Case for Action

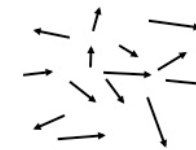
High Potential & Drops Incident Frequency



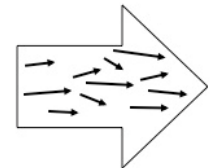
Reflections

- Inconsistent HSSE performance
- Lacking a systematic approach to HSSE management
- Elements, but lacking framework
- Ownership/culture lacking with people doing the work

Move from working like this:



To working like this:



Assist & Assure Program - **ASSIST**

Transition to Work



Goal Zero Supervision **GOAL ZERO. NO HARM. NO LEAKS.**

Supervise effectively - before, during and after

- Praise the positive/correct the negative
- Check back to ensure understanding and working safely
- Lead by example
- Pay attention to new and third party employees

Step 7 Safe Work Process

STEP 7 SAFE WORK PROCESS
“STARTING WORK IS NOT STEP #1”

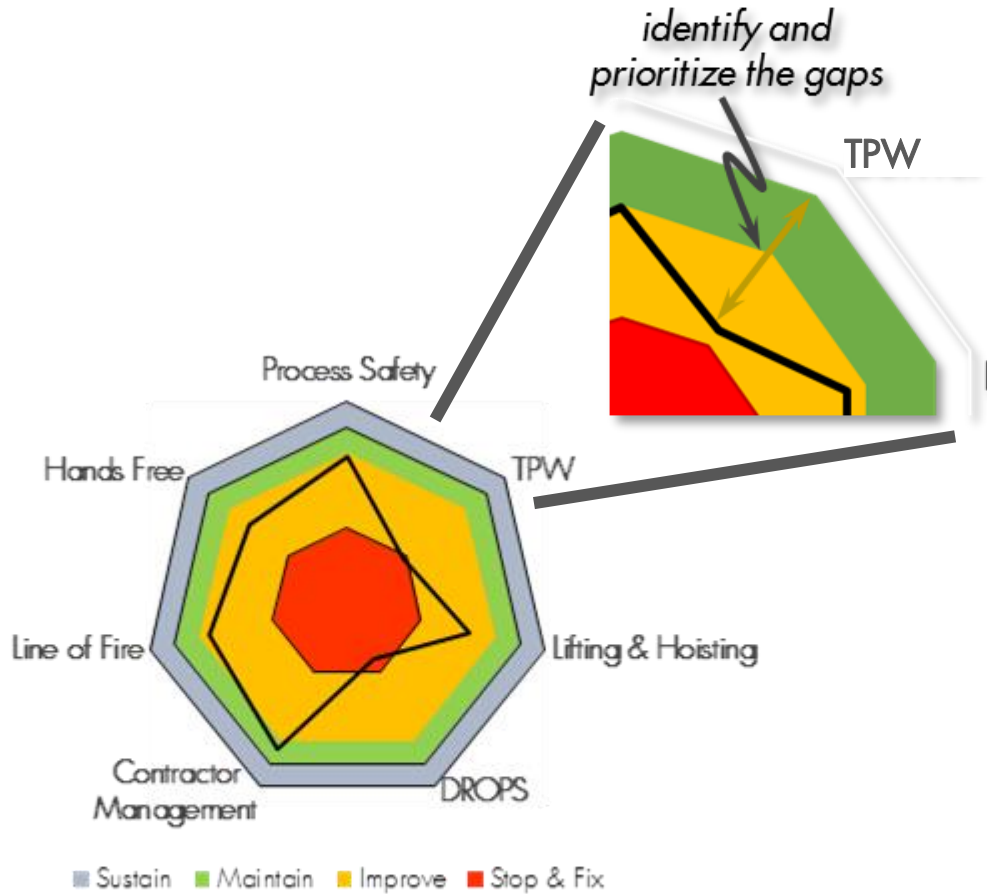
1 PLAN	WORK INSTRUCTION + HAZARD ASSESSMENT
2 COMMUNICATE	TOOLBOX QUIZ (USE TBT PROMPT) PERSONAL & PROCESS SAFETY* CHANGE MANAGEMENT & MOC
3 CHECK EQUIPMENT	CERTIFIED/RATED/TESTED FIT FOR PURPOSE / CALIBRATED NO DAMAGE / BACK UP READY
4 PREPARE AREA	FLAT & LEVEL, HOUSEKEEPING RED ZONES, WARDEN, PERMISSION SIMOPS? ABOVE/BELOW/BESIDE?
5 CONTROL ENERGY	ISOLATE (LOCK OUT, TAG OUT & TEST) DRAIN STORED ENERGY (GAUGE?) LINE OF FIRE / ESCAPE ROUTE
6 FINAL CHECK	100% READY TO GO CONTINGENCIES IN PLACE WALK THE LINE WITH P&ID
7 START WORK	COMPLY/INTERVENE/RESPECT FOLLOW THE LIFE SAVING RULES WELL BARRIERS/MOC/STOP THE JOB HANDS FREE/ RED ZONES/ CHANGE

After Action Review
“STARTING WORK IS STEP NUMBER 7”

* What are we doing? What are the hazards & controls? What could go wrong? What would we do? What if this happens? What if that happens? What are our barriers? What would you stop the job for? What change do we have today? What worries you?

Assist & Assure Program - **ASSURE**

Roseplot: Identify Gaps in Focus Areas



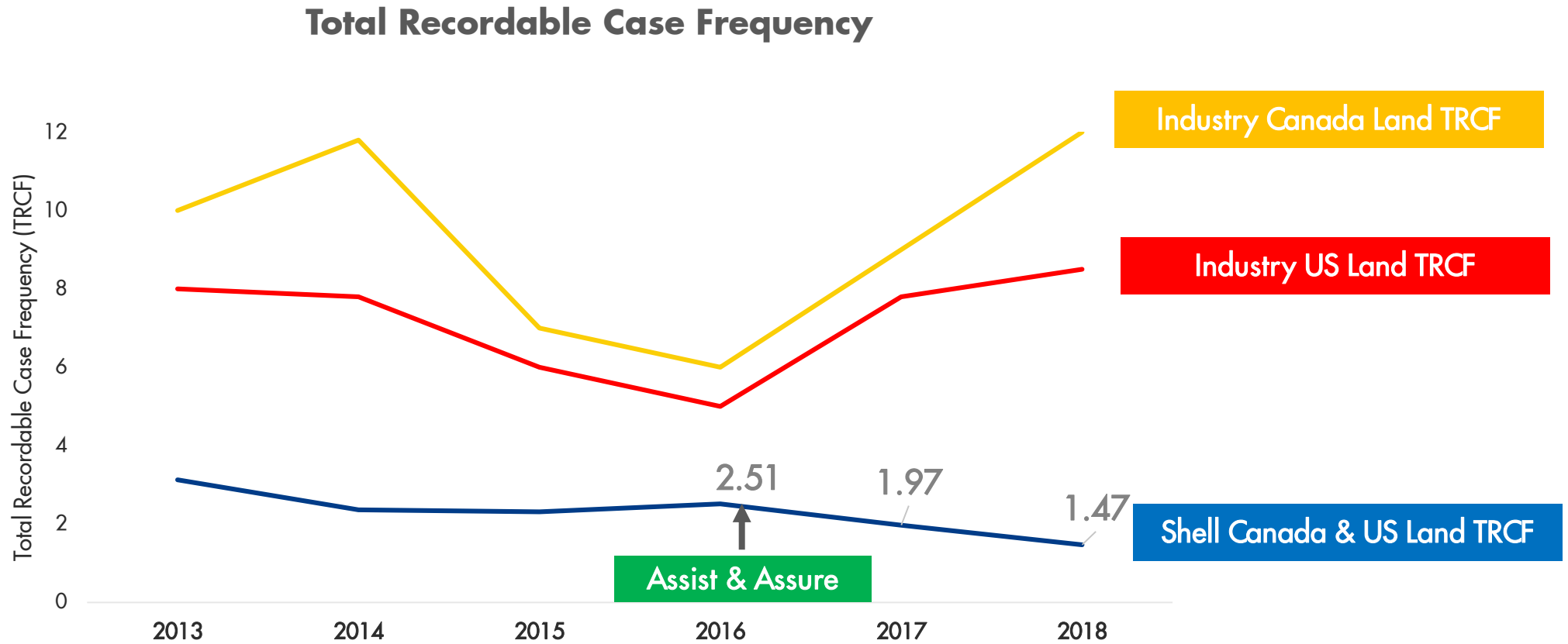
Example Roseplot Questions

Topic	Question	Score
DROPS	<ul style="list-style-type: none"> Do supervisors understand the DROPS principles? (1 point) Do supervisors intervene as required? (1 point) Are DROPS issues raised at Hazard Hunts, Inspections and/or Audits and actions are tracked to completion? (2 points) 	1.5
Hands Free	<ul style="list-style-type: none"> Are Hands Free tools available on site and being used? (1 point) Is safe hand placement on equipment clearly, visually identified? (1 points) Are correct gloves being used for the task? (1 point) 	3

Assist & Assure – Step 7 Process Video

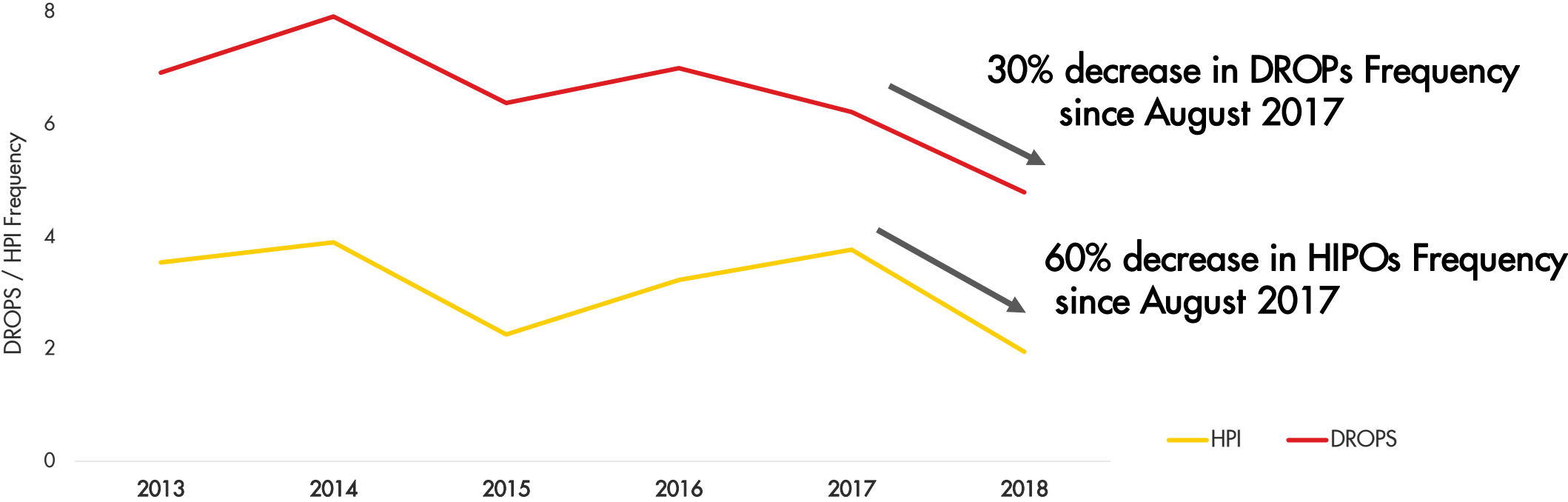


2018 HSSE Performance – TRCF



2018 HSSE Performance – DROPs & HIPOs Frequency

High Potential & Drops Incident Frequency



Why does Assist & Assure work?

- A leadership program that delivers safety benefits
- Improved safety and operational performance due to readiness for the task
- **Creates ownership at the site, for the site:** Step 7 is a **pause** in the operation at the point of work, by the people doing the work – to re-evaluate if the job can be done safely
- Increases engagement with a **conversation using a checklist**
- Simplifies focus by looking at **common elements**
- **Consistency** across basins, and countries – we are speaking the **same HSSE language**



Q&A