



# OIL SOLUBLE H<sub>2</sub>S SCAVENGER

## IRON HORSE ADVANTAGES

- ✓ LOWER DOSAGE
- ✓ LOWER TREATING COST PER BARREL
- ✓ VERSATILE TREATING – FROM WELLHEAD TO SALES

## **H2S SCAVENGER PRODUCT LINE**

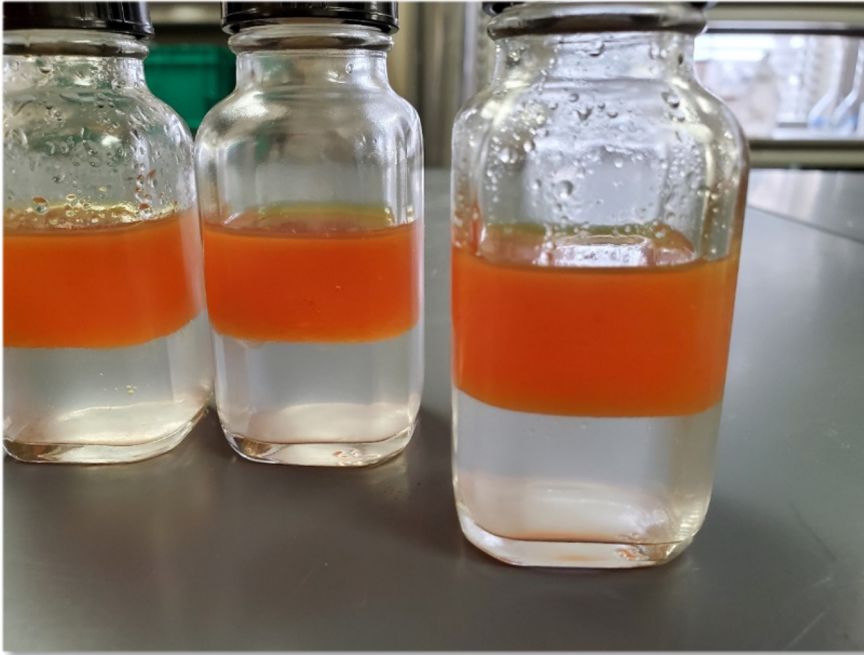
There are numerous alternatives in the industry, but none have the Iron Horse advantage.

### **FOCUSED RESEARCH AND DEVELOPMENT**

Out of the development phase and in active field applications for over 2 years, the IHC oil soluble scavenger product line can provide treating in various oils and can be modified to include dispersants and demulsifiers for downhole applications.

Other benefits include

- Thermally Stable -Gas Lift Certified & Freeze Protected
- Neutral pH to limit solids precipitation
- Compatible with virtually all production fluids
- Head space, vapor, and odor treating
- Non-foaming
- Low nitrogen content, limiting crude oil contamination
- Oil soluble, water miscible



Demulsifiers and paraffin dispersants can be added without creating system emulsions

Our oil soluble, water miscible scavengers have multiple application alternatives. Many of our successful applications are on sales oil lines and tanks, post heater treater, but injection points can be placed anywhere in the system.

The scavengers are thermally stable allowing for gas lift applications up to 180°F. The pour point of -40°C / F allows for treating in colder climates like North Dakota, the Rockies and Canada.

The effective stoichiometric value of our oil soluble products treats at 0.33 ppm of chemistry to 1 ppm H<sub>2</sub>S



Our field staff have access to our custom treating calculator to determine individual field treating requirements and costs.

By inputting the daily production, and H2S content, an accurate treating cost table can be determined and implemented. Treating can be further optimized through utilizing our operations experience and application practices previously tested and proven.

Price Per Gallon is determined by:

- Monthly Volume
- Service Requirements
- Additional applications treated – dispersant, demulsifier
- Multiple Pay Structures – 1% Discount for Net 30



## H2S Scavenger Calculator - SCAV-710

H2S PPM	Gallons Chemical Per BBL	Cost Per BBL	Chemical Used Per Day / Gallons	Cost Per Day
100	0.00168	\$ 0.03	0.168	\$ 3.02
250	0.0042	\$ 0.08	0.42	\$ 7.54
500	0.0084	\$ 0.15	0.84	\$ 15.08
750	0.0126	\$ 0.23	1.26	\$ 22.62
1000	0.0168	\$ 0.30	1.68	\$ 30.16
1500	0.0252	\$ 0.45	2.52	\$ 45.23
2000	0.0336	\$ 0.60	3.36	\$ 60.31
2500	0.042	\$ 0.75	4.2	\$ 75.39
3000	0.0504	\$ 0.90	5.04	\$ 90.47
4000	0.0672	\$ 1.21	6.72	\$ 120.62
5000	0.084	\$ 1.51	8.4	\$ 150.78
10000	0.168	\$ 3.02	16.8	\$ 301.56
12500	0.21	\$ 3.77	21	\$ 376.95
15000	0.252	\$ 4.52	25.2	\$ 452.34

