OpsAuditHub opsauditihub.com	DOC ID: **SAF-0232**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **OSHA 29 CFR 1910.1200 (Hazard Communication) & ISO 22241 (DEF Quality Standard)**	AUDIT FREQUENCY: **Daily Pre-Shift**

Diesel Exhaust Fluid Def Handling Daily Log Sheet

Operational Scope: This log sheet establishes daily verification protocols for Diesel Exhaust Fluid (DEF) storage, dispensing equipment, and personal protective measures in fleet maintenance operations. The objective is to mitigate chemical exposure risks, prevent SCR system contamination, and ensure full compliance with hazardous communication and environmental standards.

MANDATORY PPE:	Chemical-Resistant Nitrile Gloves (EN 374), ANSI Z87.1 Approved Safety Glasses with Side Shields, Acid-Resistant Rubber Apron, Steel-Toe Safety Footwear (ASTM F2413)
PREREQUISITES:	Verify location of emergency eye-wash station and ensure unobstructed access within a 10-second travel radius. | Review current Safety Data Sheet (SDS) for DEF handling and spill response procedures.

STORAGE TANK & DISPENSING EQUIPMENT INSPECTION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Bulk Storage Tank Integrity**	Tank exterior shows no signs of cracking, bulging, or crystallization leakage around fittings and seams.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
2	**Dispenser Nozzle & Hose Assembly**	Nozzle auto-shutoff mechanism operates freely; dispensing hose is free of kinks, abrasions, or weeping fluid.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
3	**Dedicated Filling Equipment**	Nozzles and funnels are clearly labeled 'DEF ONLY' and free from oil, fuel, or coolant residue to prevent SCR contamination.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
4	**Secondary Containment Basin**	Containment berm or basin is free of rainwater accumulation, debris, and chemical puddles.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A

FLUID QUALITY & ENVIRONMENTAL COMPLIANCE

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**DEF Refractometer Reading**	Fluid sample urea concentration measures within the acceptable ISO 22241 range of 31.8% to 33.2%.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
6	**Storage Temperature Control**	Ambient storage area temperature is maintained between -5°C (23°F) and 25°C (77°F) to prevent degradation.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
7	**Vent Filter Inspection**	Tank breather cap and dust filter are clean, intact, and preventing airborne contaminants from entering the tank.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A

HOUSEKEEPING & SPILL PREPAREDNESS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Spill Kit Inventory**	Dedicated chemical spill kit is fully stocked with neutralizer, absorbent pads, and disposal bags.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
9	**Eyewash Station Functionality**	Eyewash station is flushed, tested, and inspection tag is signed for the current operational week.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
10	**SDS & GHS Labelling**	All secondary transfer containers and dispensing ports display legible GHS compliant hazard labels.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A

Certified Fleet Technician / Lead Operator Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Site Safety Supervisor / Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

COMPLIANCE NOTICE: This document must be archived for a minimum of 12 months in accordance with workplace safety recordkeeping guidelines.

DIGITAL INSPECTION UPGRADE: Run this audit on mobile/tablet, attach photos & automate compliance records. **Start Free Mobile Audit →**