

## Machine Id **47 - HILLTOP MULCH** Component **Diesel Exhaust Fluid (DEF)** Fluid **DEF (Diesel Exaust Fluid) (--- GAL)**

## RECOMMENDATION

Fluid meets ISO 22241-2 requirements and is suitable for use.

| Test             | UOM   | Method  | Limit/Abn  | Current   | History1  | History2   |
|------------------|---|---|--|---|---|--|
| Sample Number    |   | Client Info   |  | WC06063944  |   |  |
| Sample Date      |   | Client Info   |  | 17 Jan 2024   |   |  |
| Machine Age      | hrs   | Client Info   |  | 0   |   |  |
| Oil Age          | hrs   | Client Info   |  | 0   |   |  |
| Filter Age       | hrs   | Client Info   |  | 0   |   |  |
| Oil Changed      |   | Client Info   |  | N/A   |   |  |
| Filter Changed   |   | Client Info   |  | N/A   |   |  |
| Sample Status    |   |   |  | NORMAL  |   |  |
| Hydrocarbon      | scalar  | *In-House   |  | NONE  |   |  |
| Urea Content     | %   | ISO 22241   | <31.8  | 32.7  |   |  |
| Density @ 20°C   | g/cm3   | ISO 22241   | >1.0930  | 1.0886  |   |  |
| Refracting Index |   | ISO 22241   | <1.3814  | 1.3827  |   |  |
| Appearance       | scalar  | *Visual   |  | Clear & Bright  |   |  |
|                  | Sample Number<br>Sample Date<br>Machine Age<br>Oil Age<br>Filter Age<br>Oil Changed<br>Sample Status<br>Hydrocarbon<br>Urea Content<br>Density @ 20°C | Sample NumberSample DateMachine AgehrsMachine AgehrsOil AgehrsFilter AgehrsOil Changed-Filter ChangedscalarSample Status-HydrocarbonscalarUrea Content%Density @ 20°Cg/cm3Refracting Index- | Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoHydrocarbonscalarVirea Content%ISO 22241Density @ 20°Cg/cm3ISO 22241NoISO 22241 | Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoClient InfoFilter ChangedIcoClient InfoSample StatusClient InfoIcoHydrocarbonscalar*In-HouseUrea Content%ISO 22241>1.0900Beristy @ 20°Cg/cm3ISO 22241>1.3814 | Sample NumberClient InfoWC06063944Sample DateClient Info17 Jan 2024Machine AgehrsClient Info0Oil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient InfoI0Filter ChangedClient InfoN/ASample StatusClient InfoN/AHydrocarbonscalar*In-HouseNORMALUrea Content%ISO 22241<31.832.7Density @ 20°Cg/cm3ISO 22241<1.09301.0886Refracting IndexISO 22241<1.38141.3827 | Sample NumberClient InfoWC06063944Sample DateClient Info17 Jan 2024Machine AgehrsClient Info0Oil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient Info0Filter ChangedClient InfoN/ASample StatusClient InfoN/AHydrocarbonscalar*In-HouseNONEUrea Content%ISO 22241<31.832.7Density @ 20°Cg/cm3ISO 22241>1.09301.0886NoneISO 22241<1.38141.3827 |

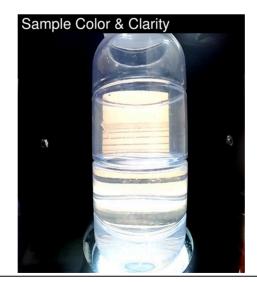
## WEAR

CONTAMINATION

Appearance is acceptable. There is no indication of any contamination in the diesel exhaust fluid (def).



Urea % 35.0 34.8 34 F 34.4 34.3 34 ( 33.8 33.6 33.4 33.3 33.0 32 € 1; 32.6 Irea Co 32. 32.3 32.0 31.8 31.0 31 31.3 31.0 30.8 30 ( 30.4 30.3 30.0 Jan 17/24 104 Jan 1





: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **HUTCHENS PETROLEUM** Laboratory Sample No. : WC06063944 Recieved : 17 Jan 2024 22 PERFORMANCE DR Lab Number : 06063944 Diagnosed : 22 Jan 2024 STUART, VA Unique Number : 10835326 Diagnostician : Doug Bogart US 24171 Test Package : DEF 1 (Additional Tests: KF) Contact: DEBRA WALKER Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. debra.walker@thehreteam.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (800)537-7433 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (276)694-3382

Report Id: HUTSTU [WUSCAR] 06063944 (Generated: 01/22/2024 17:15:31) Rev: 1

Contact/Location: DEBRA WALKER - HUTSTU

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