

No relevant graphs to display

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	NORMAL	SEVERE	
Debris	scalar	*Visual	NONE	A MODER	NONE	NONE	

Customer Id: ENEFRA Sample No.: WC0804500 Lab Number: 05857952 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component.		
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.		

HISTORICAL DIAGNOSIS





Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN



10 Mar 2021 Diag: Doug Bogart



The filter change at the time of sampling has been noted. We recommend that you use depth filtration to remove insolubles from the oil and to reduce the levels of varnish in the system. Alternatively draining a percentage of the oil and topping up with fresh oil (sweetening the oil) may provide a reduction in the varnish potential level. We recommend an early resample to monitor this condition. Please submit a sample of the new (unused) oil to establish a baseline for RULer testing.All component wear rates are normal. MPC (Membrane Patch Colorimetry) test indicates a high concentration of varnish present. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid.

04 Aug 2020 Diag: Don Baldridge





Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report







OIL ANALYSIS REPORT

Sample Rating Trend

VIS DEBRIS

Area 8 Machine Id WTG-802 Component Hydraulic System Fluid SHELL TELLUS 32 (--- LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION method limit/base current history1 history2 Sample Number Client Info 25 May 2023 28 Mar 2022 10 Mar 2021 Machine Age mths Client Info 25 May 2023 28 Mar 2022 10 Mar 2021 Oil Age mths Client Info 0 0 0 0 Oil Age mths Client Info Not Changd Not Changd Not Changd Sample Status Imit/base Current history2 3 VEAR METALS method Imit/base Current history2 PQ ASTM D8164 2 15 Iron ppm ASTM D8165 20 0 0 Nickel ppm ASTM D8165 20 0 0 0 Iuminum ppm ASTM D8165 20 0 0 0 0 Autornum ppm ASTM D8165 20 0 0 0 0 0 0 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>							
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Boron ppm ASTM D5185m 0 0 <1	ADDITIVES		method	limit/base	current	history1	history2
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Sulfur ppm ASTM D5185m 1865 4945 4218 4191 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 <1	Zinc	ppm	ASTM D5185m	277	217	222	199
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Sulfur	ppm	ASTM D5185m	1865	4945	4218	4191
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ppm Water ppm ASTM D6304 >500 44.6 72.8 112.1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 2335 2225 Particles >6µm ASTM D7647 >5000 484 494 Particles >14µm ASTM D7647 >640 41 50 Particles >14µm ASTM D7647 >160 11 13 Particles >38µm ASTM D7647 >40 1 2 Particles >71µm ASTM D7647 >10 18/16/13 18/16/13	Water	%	ASTM D6304	>0.05	0.004	0.007	0.011
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 2335 2225 Particles >6µm ASTM D7647 >5000 484 494 Particles >14µm ASTM D7647 >640 41 50 Particles >21µm ASTM D7647 >160 11 13 Particles >38µm ASTM D7647 >40 1 2 Particles >71µm ASTM D7647 >10 18/16/13 18/16/13	ppm Water	ppm	ASTM D6304	>500	44.6	72.8	112.1
Particles >4μm ASTM D7647 2335 2225 Particles >6μm ASTM D7647 >5000 484 494 Particles >14μm ASTM D7647 >640 41 50 Particles >21μm ASTM D7647 >160 11 13 Particles >38μm ASTM D7647 >40 1 2 Particles >71μm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >/19/16 18/16/13 18/16/13	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
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Particles >14μm ASTM D7647 >640 41 50 Particles >21μm ASTM D7647 >160 11 13 Particles >38μm ASTM D7647 >40 1 2 Particles >71μm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >/19/16 18/16/13 18/16/13	Particles >6µm		ASTM D7647	>5000		484	494
Particles >21μm ASTM D7647 >160 11 13 Particles >38μm ASTM D7647 >40 1 2 Particles >71μm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >/19/16 18/16/13 18/16/13	Particles >14µm		ASTM D7647	>640		41	50
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Particles >71µm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >/19/16 18/16/13 18/16/13	Particles >38µm		ASTM D7647	>40		1	2
Oil Cleanliness ISO 4406 (c) >/19/16 18/16/13 18/16/13	Particles >71µm		ASTM D7647	>10		0	0
	Oil Cleanliness		ISO 4406 (c)	>/19/16		18/16/13	18/16/13



OIL ANALYSIS REPORT





FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.32	0.22	0.23	0.218
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	🔺 MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32.32	34.4	32.7	34.7
SAMPLE IMAGES		method	limit/base	current	history1	history2







Bottom

MPC



Contact/Location: SANTOS DEL CID - ENEFRA