







RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL			
Iron	ppm	ASTM D5185m	>20	<u> </u>	<u> </u>	4 8			
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	1 5	1 3			
Silicon	ppm	ASTM D5185m	>20	<u> </u>	<u> </u>	<u> </u>			

Customer Id: SHEWIC Sample No.: WC0857274 Lab Number: 06009055 Test Package: CONST



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 Fluid			?	Oil and filter change at the time of sampling has been noted.		
Change Filter			?	Oil and filter change at the time of sampling has been noted.		
Check Dirt Access			?	We advise that you check all areas where dirt can enter the system.		

HISTORICAL DIAGNOSIS



28 Aug 2023 Diag: Don Baldridge

We advise that you check all areas where dirt can enter the system. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The AN level is acceptable for this fluid.



view report



10 Sep 2022 Diag: Doug Bogart

We advise that you check all areas where dirt can enter the system. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The AN level is acceptable for this fluid.

23 Jul 2022 Diag: Jonathan Hester



We advise that you check all areas where dirt can enter the system. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Sample Rating Trend



DIAGNOSIS

A Wear

Recommendation

service interval to monitor.

wear rates are normal.

system are acceptable.

Contamination

Fluid Condition

OKLAHOMA/102 20.526L [OKLAHOMA^102]

Hydraulic System



MOBIL MOBILTRANS AST 30 (--- GAL)

SAMPLE INFORMATION method limit/base current history1 history2 WC0857274 WC0834078 WC0738543 Sample Number **Client Info** We advise that you check all areas where dirt can Sample Date Client Info 07 Nov 2023 28 Aug 2023 10 Sep 2022 enter the system. Oil and filter change at the time of Client Info Machine Age hrs 1868 1724 1006 sampling has been noted. Resample at the next Oil Age hrs Client Info 1868 1724 1006 Oil Changed Client Info Changed Not Changd Not Changd ABNORMAL Sample Status ABNORMAL ABNORMAL The iron level is abnormal. All other component WEAR METALS method limit/base current history1 history2 >20 32 61 **4**8 Iron ppm ASTM D5185m Elemental levels of silicon (Si) and aluminum (Al) Chromium ASTM D5185m >10 <1 4 2 ppm indicate alumina-silicate (coarse dirt) ingress. The Nickel ppm ASTM D5185m >10 <1 <1 0 amount and size of particulates present in the Titanium ASTM D5185m <1 <1 <1 ppm 0 Silver ppm ASTM D5185m 0 <1 Aluminum ASTM D5185m >10 7 15 13 ppm The AN level is acceptable for this fluid. Lead ASTM D5185m >10 <1 1 ppm <1 ASTM D5185m 25 16 >75 17 Copper ppm Tin ppm ASTM D5185m >10 0 <1 <1 Vanadium ASTM D5185m 0 0 ppm <1 Cadmium ppm ASTM D5185m 0 0 0 **ADDITIVES** limit/base current history1 history2 method 9 3 6 Boron ppm ASTM D5185m Barium ppm ASTM D5185m 7 0 3 Molybdenum 1 1 ppm ASTM D5185m 1 2 Manganese ppm ASTM D5185m <1 2 9 ASTM D5185m 11 10 Magnesium ppm 1386 1699 Calcium ASTM D5185m 1145 ppm Phosphorus ppm ASTM D5185m 873 842 796 Zinc ASTM D5185m 1071 1123 1021 ppm Sulfur 3461 2716 ppm ASTM D5185m 3256 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 30 81 61 6 3 Sodium ppm ASTM D5185m 0 Potassium ASTM D5185m >20 3 2 3 ppm **FLUID CLEANLINESS** limit/base current history1 history2 method Particles >4µm ASTM D7647 6685 124845 190581 >2500 Particles >6µm 2495 8314 6452 ASTM D7647 Particles >14µm ASTM D7647 >640 177 32 95 7 Particles >21µm ASTM D7647 >160 26 13 Particles >38µm ASTM D7647 >40 0 0 0 Particles >71µm ASTM D7647 >10 0 0 0 **Oil Cleanliness** ISO 4406 (c) >--/18/16 20/18/15 24/20/12 25/20/14 **FLUID DEGRADATION** method limit/base history1 history2 current 0.70 0.93 0.92 Acid Number (AN) mg KOH/g ASTM D8045



OIL ANALYSIS REPORT



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	NONE	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	>0.1	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	57.6	56.7	59.7	54.0
SAMPLE IMAGES		method	limit/base	current	history1	history2
				A POPLA		





Submitted By: RUSTY RILEY

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