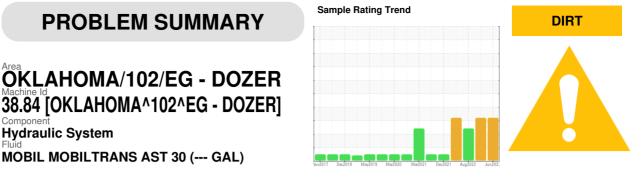
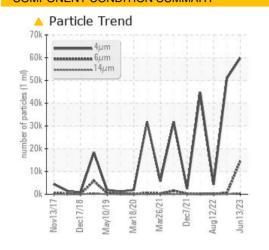


## **PROBLEM SUMMARY**

MOBIL MOBILTRANS AST 30 (--- GAL)

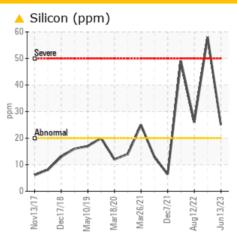


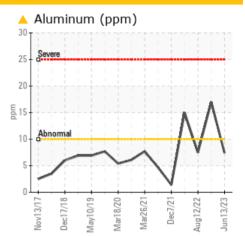
## COMPONENT CONDITION SUMMARY



Componen

**Hydraulic System** 





### RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	<b>1</b> 7	<u> </u>		
Silicon	ppm	ASTM D5185m	>20	<b>A</b> 25	<u> </u>	<u> </u>		
Particles >6µm		ASTM D7647	>2500	<b>A</b> 14662	470	203		
Oil Cleanliness		ISO 4406 (c)	>/18/16	<b>A</b> 23/21/16	23/16/12	19/15/11		

Customer Id: SHEWIC Sample No.: WC0792491 Lab Number: 05899300 Test Package: CONST



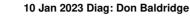
To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

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

RECOMMENDED A	ACTIONS			
Action	Status	Date	Done By	Description
Check Dirt Access			?	We advise that you check all areas where dirt can enter the system.

### HISTORICAL DIAGNOSIS





# 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. The condition of the oil is suitable for further service.



#### 12 Aug 2022 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.All 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. The condition of the oil is suitable for further service.





#### 31 May 2022 Diag: Jonathan Hester

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. We recommend an early resample to monitor this condition. The iron level is abnormal. Elemental levels of silicon (Si) and aluminum (AI) 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. The condition of the oil is suitable for further service.



Report Id: SHEWIC [WUSCAR] 05899300 (Generated: 07/18/2023 18:20:50) Rev: 1

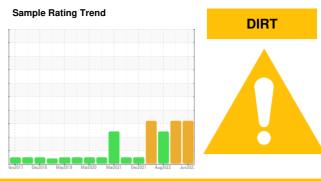


## **OIL ANALYSIS REPORT**

## OKLAHOMA/102/EG - DOZER 38.84 [OKLAHOMA^102^EG - DOZER] Componen

Hydraulic System

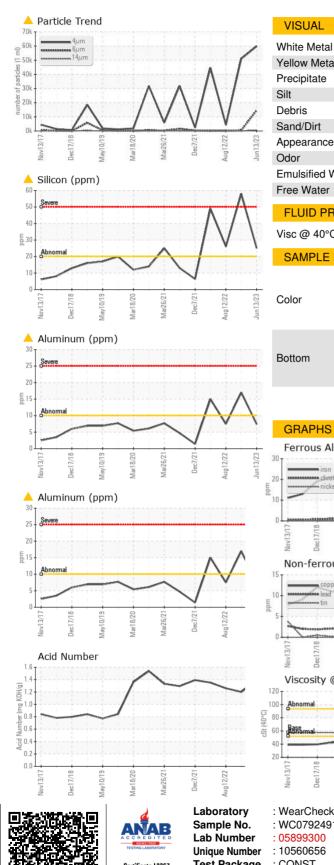
MOBIL MOBILTRANS AST 30 (--- GAL)



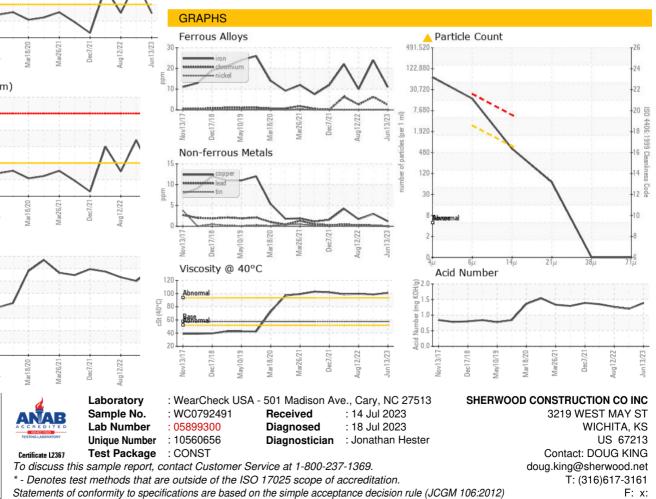
DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0792491	WC0758662	WC0713290
We advise that you check all areas where dirt can	Sample Date		Client Info		13 Jun 2023	10 Jan 2023	12 Aug 2022
enter the system. The filter change at the time of	Machine Age	hrs	Client Info		9182	8914	8286
sampling has been noted. Resample at the next service interval to monitor.	Oil Age	hrs	Client Info		500	930	302
	Oil Changed		Client Info		N/A	Not Changd	Not Changd
Wear All component wear rates are normal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Contamination	WEAR METALS		method	limit/base	current	history1	history2
There is a high amount of silt (particulates < 14	Iron	ppm	ASTM D5185m	>20	11	<u> </u>	10
microns in size) present in the oil. Elemental levels	Chromium	ppm	ASTM D5185m	>10	2	6	3
of silicon (Si) and aluminum (AI) indicate alumina- silicate (coarse dirt) ingress.	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		<1	1	<1
Fluid Condition The AN level is acceptable for this fluid. The	Silver	ppm	ASTM D5185m		0	0	<1
condition of the oil is suitable for further service.	Aluminum	ppm	ASTM D5185m	>10	<u> </u>	<b>1</b> 7	<u> </u>
	Lead	ppm	ASTM D5185m	>10	0	<1	<1
	Copper	ppm	ASTM D5185m	>75	1	3	2
	Tin	ppm	ASTM D5185m	>10	0	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		30	5	19
	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		1	1	1
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		27	24	22
	Calcium	ppm	ASTM D5185m		3223	3153	3093
	Phosphorus	ppm	ASTM D5185m		1046	945	943
	Zinc	ppm	ASTM D5185m		1337	1195	1222
	Sulfur	ppm	ASTM D5185m		5520	4791	4104
	CONTAMINANTS	3	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>20	<u> </u>	<b>5</b> 8	<b>2</b> 6
	Sodium	ppm	ASTM D5185m		2	3	4
	Potassium	ppm	ASTM D5185m	>20	1	2	0
	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647		59829	51018	4293
	Particles >6µm		ASTM D7647		<u> </u>	470	203
	Particles >14µm		ASTM D7647		544	37	17
	Particles >21µm		ASTM D7647	>160	60	7	5
	Particles >38µm		ASTM D7647		0	1	2
	Particles >71µm		ASTM D7647	>10	0	0	2
	Oil Cleanliness		ISO 4406 (c)	>/18/16	<b>A</b> 23/21/16	23/16/12	19/15/11
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2



## **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	LIGHT	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	101	98.6	99.7
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						



Submitted By: BOBBY JONES