

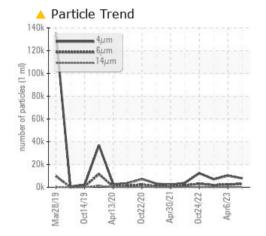
PROBLEM SUMMARY

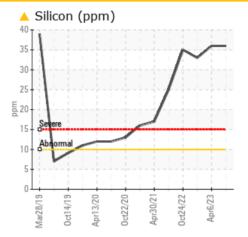


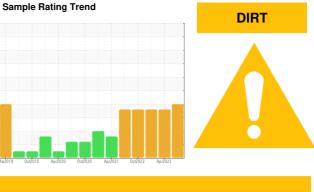
Area OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL Machine Id 69.10 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL] Component Steering

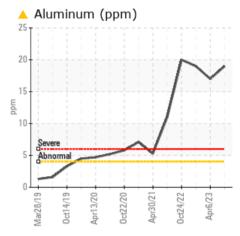
MOBIL MOBILTRANS AST 30 (--- GAL)

COMPONENT CONDITION SUMMARY









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	>4	<u> </u>	1 7	1 9
Silicon	ppm	ASTM D5185m	>10	A 36	A 36	A 33
Particles >6µm		ASTM D7647	>640	🔺 2857	<u> </u>	1 884
Particles >14µm		ASTM D7647	>80	🔺 259	<u> </u>	1 05
Particles >21µm		ASTM D7647	>20	<u> </u>	15	17
Oil Cleanliness		ISO 4406 (c)	>/16/13	 20/19/15	🔺 21/18/14	🔺 20/18/14

Customer Id: SHEWIC Sample No.: WC0778383 Lab Number: 05923304 Test Package: CONST



To manage this report scan the QR code

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

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

06 Apr 2023 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.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the fluid. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The AN level is acceptable for this fluid. The condition of the fluid is acceptable for the time in service.



view report

21 Dec 2022 Diag: Angela Borella

DIRT



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



24 Oct 2022 Diag: Don Baldridge

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.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the fluid. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The AN level is acceptable for this fluid. The condition of the fluid is acceptable for the time in service.









OIL ANALYSIS REPORT

Area OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL 69.10 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL] Component Steering



MOBIL MOBILTRANS AST 30 (--- GAL)

DIAGNOSIS

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.

Fluic

📥 Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the fluid. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

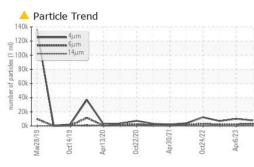
Fluid Condition

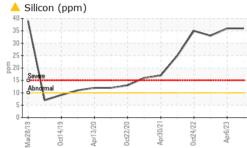
The AN level is acceptable for this fluid. The condition of the fluid is acceptable for the time in service.

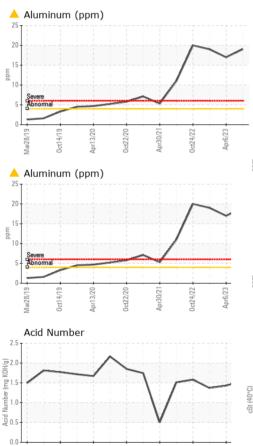
Sample Number		Client Info		WC0778383	WC0800810	WC0769705
Sample Date		Client Info		05 Aug 2023	06 Apr 2023	21 Dec 2022
Machine Age	hrs	Client Info		9867	9135	8996
Oil Age	hrs	Client Info		8662	8662	8662
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	9	10	10
Chromium	ppm	ASTM D5185m	>12	<1	<1	<1
Nickel	ppm	ASTM D5185m	>6	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m		<u> </u>	<u> </u>	1 9
Lead	ppm	ASTM D5185m	>12	<1	0	<1
Copper	ppm	ASTM D5185m	>30	3	2	3
Tin	ppm	ASTM D5185m		<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		38	36	34
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		4	4	4
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		64	62	60
Calcium	ppm	ASTM D5185m		2705	2954	3098
Phosphorus	ppm	ASTM D5185m		906	982	992
Zinc	ppm	ASTM D5185m		1103	1189	1209
Sulfur	ppm	ASTM D5185m		5031	5714	5819
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>10	<u> </u>	A 36	<u> </u>
Sodium	ppm	ASTM D5185m		7	6	5
Potassium	ppm	ASTM D5185m	>20	6	5	8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		7883	10101	7077
Particles >6µm		ASTM D7647	>640	<u> </u>	<u> </u>	1 884
Particles >14µm		ASTM D7647	>80	<u> </u>	<u> </u>	🔺 105
Particles >21µm		ASTM D7647	>20	<mark>/</mark> 67	15	17
Particles >38µm		ASTM D7647	>4	1	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/16/13	A 20/19/15	1 21/18/14	2 0/18/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.54	1.43	1.369



OIL ANALYSIS REPORT

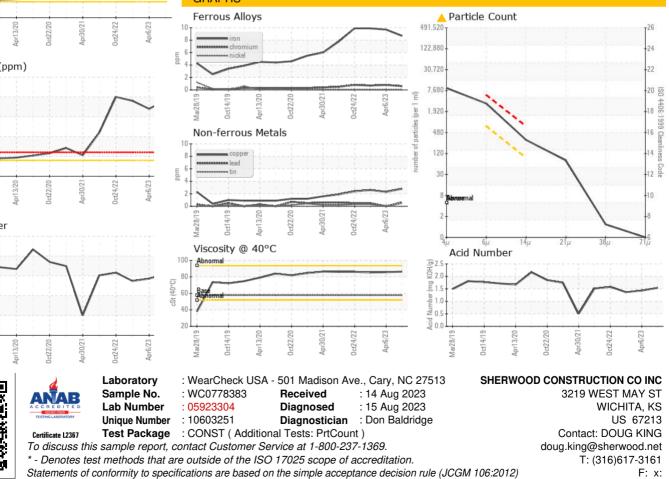






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	FIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.6	86.3	85.7	85.4
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						Naros
Bottom						





Submitted By: GARRETT ADAMS

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