

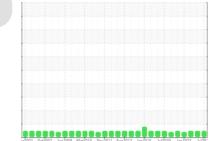
# **OIL ANALYSIS REPORT**



OKLAHOMA/102/EG - OTHER SERVICE 78.65 [OKLAHOMA^102^EG - OTHER SERVICE]

Transmission (Manual)

MOBIL MOBILTRANS AST 30 (--- GAL)



Sample Rating Trend





## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

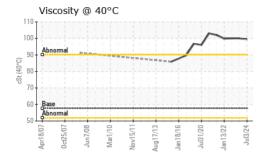
## **Fluid Condition**

The condition of the oil is acceptable for the time in service.

Client Info	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date   Client Info   03 Jul 2024   22 Mar 2023   17 Aug 2022   Machine Age   hrs   Client Info   19760   28263   18444   2014   24 Machine Age   hrs   Client Info   1000   18273   18273   18273   18273   27 Changed   N/A   N/	Sample Number		Client Info		WC0945524	WC0746809	WC0649227
Machine Age   hrs   Client Info   19760   28263   18444	Sample Date		Client Info		03 Jul 2024	22 Mar 2023	17 Aug 2022
Dil Changed	Machine Age	hrs	Client Info		19760	28263	-
NORMAL   NORMAL   NORMAL   NORMAL   CONTAMINATION   method   limit/base   current   history1   history2   history2   water   WC Method   >0.1   NEG   NEG	Oil Age	hrs	Client Info		1000	18273	18273
NORMAL   NORMAL   NORMAL   NORMAL   CONTAMINATION   method   limit/base   current   history1   history2   history2   water   WC Method   >0.1   NEG   NEG	Oil Changed		Client Info		Changed	N/A	N/A
Water         WC Method         >0.1         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history2           Iron         ppm         ASTM D5185m         >200         51         47         37           Chromium         ppm         ASTM D5185m         >5         0         0         0           Nickel         ppm         ASTM D5185m         >5         -1         <1	Sample Status				_	NORMAL	NORMAL
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >200         51         47         37           Chromium         ppm         ASTM D5185m         >5         0         0         0           Nickel         ppm         ASTM D5185m         >5         <1	CONTAMINATION	٧	method	limit/base	current	history1	history2
	Water		WC Method	>0.1	NEG	NEG	NEG
Chromium         ppm         ASTM D5185m         >5         0         0         0           Nickel         ppm         ASTM D5185m         >5         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>200	51	47	37
Description	Chromium	ppm	ASTM D5185m	>5	0	0	0
Silver	Nickel	ppm	ASTM D5185m	>5	<1	<1	0
ASTM D5185m   >25   15   17   11	Titanium	ppm	ASTM D5185m		0	<1	0
Lead	Silver	ppm	ASTM D5185m	>7	0	0	<1
Copper	Aluminum	ppm	ASTM D5185m	>25	15	17	11
Tin	Lead	ppm	ASTM D5185m	>45	<1	<1	<1
Antimony	Copper	ppm	ASTM D5185m	>225	10	11	9
Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         12         31         31         31           Barium         ppm         ASTM D5185m         0         <1         0         0         <1         0           Molybdenum         ppm         ASTM D5185m         0         <1         <1         0         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1	Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         12         31         31         31           Barium         ppm         ASTM D5185m         0         <1         0         0         <1         0           Molybdenum         ppm         ASTM D5185m         0         <1         <1         0         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1	Antimony		ASTM D5185m				
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         12         31         31           Barium         ppm         ASTM D5185m         0         <1	Vanadium		ASTM D5185m		0	0	0
Boron	Cadmium		ASTM D5185m		0	0	0
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         2         2           Manganese         ppm         ASTM D5185m         <1	Boron	ppm	ASTM D5185m		12	31	31
Manganese         ppm         ASTM D5185m         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1 <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>&lt;1</td> <td>0</td>	Barium	ppm	ASTM D5185m		0	<1	0
Magnesium         ppm         ASTM D5185m         21         15         14           Calcium         ppm         ASTM D5185m         3108         3041         3092           Phosphorus         ppm         ASTM D5185m         1124         1041         1055           Zinc         ppm         ASTM D5185m         1310         1239         1264           Sulfur         ppm         ASTM D5185m         6717         5772         5893           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >125         8         8         6           Sodium         ppm         ASTM D5185m         9         8         9           Potassium         ppm         ASTM D5185m         9         8         9           Potassium         ppm         ASTM D5185m         9         8         9           VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual <td>Molybdenum</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>2</td> <td>2</td>	Molybdenum	ppm	ASTM D5185m		0	2	2
Calcium         ppm         ASTM D5185m         3108         3041         3092           Phosphorus         ppm         ASTM D5185m         1124         1041         1055           Zinc         ppm         ASTM D5185m         1310         1239         1264           Sulfur         ppm         ASTM D5185m         6717         5772         5893           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >125         8         8         6           Sodium         ppm         ASTM D5185m         >125         8         8         6           Sodium         ppm         ASTM D5185m         >125         8         8         9           Potassium         ppm         ASTM D5185m         >20         <1	Manganese	ppm	ASTM D5185m		<1	<1	<1
Phosphorus         ppm         ASTM D5185m         1124         1041         1055           Zinc         ppm         ASTM D5185m         1310         1239         1264           Sulfur         ppm         ASTM D5185m         6717         5772         5893           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         9         8         9           Sodium         ppm         ASTM D5185m         9         8         9           Potassium         ppm         ASTM D5185m         >20         <1	Magnesium	ppm	ASTM D5185m		21	15	14
Zinc         ppm         ASTM D5185m         1310         1239         1264           Sulfur         ppm         ASTM D5185m         6717         5772         5893           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >125         8         8         6           Sodium         ppm         ASTM D5185m         9         8         9           Potassium         ppm         ASTM D5185m         >20         <1	Calcium	ppm	ASTM D5185m		3108	3041	3092
Sulfur         ppm         ASTM D5185m         6717         5772         5893           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >125         8         8         6           Sodium         ppm         ASTM D5185m         9         8         9           Potassium         ppm         ASTM D5185m         >20         <1	Phosphorus	ppm	ASTM D5185m		1124	1041	1055
CONTAMINANTS method limit/base current history1 history2  Silicon ppm ASTM D5185m >125 8 8 8 6  Sodium ppm ASTM D5185m 9 8 9  Potassium ppm ASTM D5185m >20 <1 2 2  VISUAL method limit/base current history1 history2  White Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Zinc	ppm	ASTM D5185m		1310	1239	1264
Silicon	Sulfur	ppm	ASTM D5185m		6717	5772	5893
Sodium         ppm         ASTM D5185m         9         8         9           Potassium         ppm         ASTM D5185m         >20         <1	CONTAMINANTS		method	limit/base	current	history1	history2
PotassiumppmASTM D5185m>20<122VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Silicon	ppm	ASTM D5185m	>125	8	8	6
VISUAL method limit/base current history1 history2  White Metal scalar *Visual NONE NONE NONE NONE NONE  Yellow Metal scalar *Visual NONE NONE NONE NONE NONE  Precipitate scalar *Visual NONE NONE NONE NONE NONE  Silt scalar *Visual NONE NONE NONE NONE NONE  Debris scalar *Visual NONE NONE NONE NONE LIGHT  Sand/Dirt scalar *Visual NONE 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	Sodium	ppm	ASTM D5185m		9	8	9
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 NONE Debris scalar *Visual NONE NONE NONE NONE LIGHT Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1  NONE NORME NORML	Potassium	ppm	ASTM D5185m	>20	<1	2	2
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONELIGHTSand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE LIGHT Sand/Dirt scalar *Visual NONE 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	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE LIGHT 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	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debrisscalar*VisualNONENONENONELIGHTSand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Odor scalar *Visual NORML	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG Submetted By: BOBRECIONE	Emulsified Water	scalar	*Visual	>0.1	NEG		
	Free Water	scalar	*Visual		NEG	Sulpheited By:	BOBBEGONE

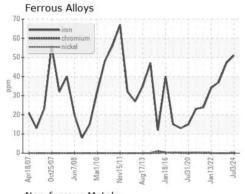


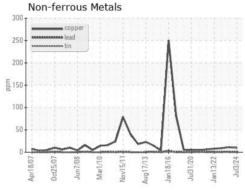
# **OIL ANALYSIS REPORT**

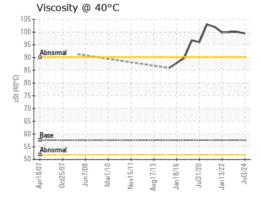


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.6	99.5	100	100
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

## **GRAPHS**











Certificate 12367

Laboratory

Sample No. : WC0945524 Lab Number : 06237159 Unique Number : 11125993

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024

Tested : 17 Jul 2024 Diagnosed : 17 Jul 2024 - Don Baldridge

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST

WICHITA, KS US 67213

Contact: BRYAN ENGLISH bryan.english@sherwood.net T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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