

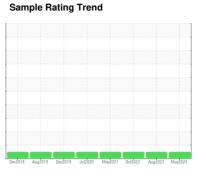
OIL ANALYSIS REPORT



KANSAS/44/EG - OTHER SERVICE 53.122L [KANSAS^44^EG - OTHER SERVICE]

Hydraulic System

MOBIL MOBILTRANS AST 30 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

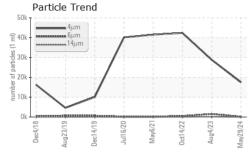
Fluid Condition

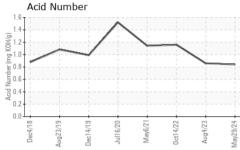
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

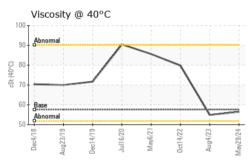
ACTOC (GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0901236	WC0745941	WC0741720
Sample Date		Client Info		29 May 2024	04 Aug 2023	14 Oct 2022
Machine Age	hrs	Client Info		6600	4972	4541
Oil Age	hrs	Client Info		0	3660	3660
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	11	10	14
Chromium	ppm	ASTM D5185m	>10	0	<1	1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	3
Copper	ppm	ASTM D5185m	>75	4	4	7
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		^	0	0
Cadmidin	ppiii	AO I WI DO TOOIII		0	0	U
ADDITIVES	ррш	method	limit/base	current	history1	history2
	ppm		limit/base			
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 16	history1	history2 28
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current 16 0	history1 15 0	history2 28 0
ADDITIVES Boron Barium Molybdenum	ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 16 0 2	history1 15 0 2	history2 28 0 5
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 16 0 2	history1 15 0 2 <1	history2 28 0 5 <1
ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 16 0 2 0 23	history1 15 0 2 <1 31	history2 28 0 5 <1 60
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 16 0 2 0 23 1354	history1 15 0 2 <1 31 1232	history2 28 0 5 <1 60 2152
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 16 0 2 0 23 1354 808	history1 15 0 2 <1 31 1232 792	history2 28 0 5 <1 60 2152 836
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 16 0 2 0 23 1354 808 960	history1 15 0 2 <1 31 1232 792 998	history2 28 0 5 <1 60 2152 836 1071
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m		current 16 0 2 0 23 1354 808 960 3303	history1 15 0 2 <1 31 1232 792 998 3456	history2 28 0 5 <1 60 2152 836 1071 4206
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 16 0 2 0 23 1354 808 960 3303 current	history1 15 0 2 <1 31 1232 792 998 3456 history1	history2 28 0 5 <1 60 2152 836 1071 4206 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base >20	current 16 0 2 0 23 1354 808 960 3303 current 4	history1 15 0 2 <1 31 1232 792 998 3456 history1 4	history2 28 0 5 <1 60 2152 836 1071 4206 history2 6
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base >20	current 16 0 2 0 23 1354 808 960 3303 current 4	history1 15 0 2 <1 31 1232 792 998 3456 history1 4	history2 28 0 5 <1 60 2152 836 1071 4206 history2 6 <1
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base >20 >20	current 16 0 2 0 23 1354 808 960 3303 current 4 2 0	history1 15 0 2 <1 31 1232 792 998 3456 history1 4 2 <1	history2 28 0 5 <1 60 2152 836 1071 4206 history2 6 <1 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base >20 >20 limit/base	current 16 0 2 0 23 1354 808 960 3303 current 4 2 0 current	history1 15 0 2 <1 31 1232 792 998 3456 history1 4 2 <1 history1	history2 28 0 5 <1 60 2152 836 1071 4206 history2 6 <1 0 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m method ASTM D5185m	limit/base >20 >20 limit/base	current 16 0 2 0 23 1354 808 960 3303 current 4 2 0 current 17549	history1 15 0 2 <1 31 1232 792 998 3456 history1 4 2 <1 history1 28844	history2 28 0 5 <1 60 2152 836 1071 4206 history2 6 <1 0 history2 42374
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m method ASTM D5185m	limit/base >20 >20 limit/base >2500	current 16 0 2 0 23 1354 808 960 3303 current 4 2 0 current 17549 120	history1 15 0 2 <1 31 1232 792 998 3456 history1 4 2 <1 history1 28844 1489	history2 28 0 5 <1 60 2152 836 1071 4206 history2 6 <1 0 history2 42374 444
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m method ASTM D5185m ASTM D7647 ASTM D7647	limit/base >20	current 16 0 2 0 23 1354 808 960 3303 current 4 2 0 current 17549 120 2	history1 15 0 2 <1 31 1232 792 998 3456 history1 4 2 <1 history1 28844 1489 123	history2 28 0 5 <1 60 2152 836 1071 4206 history2 6 <1 0 history2 42374 444 40
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m method ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >2500 >640 >160 >40	current 16 0 2 0 23 1354 808 960 3303 current 4 2 0 current 17549 120 2 0	history1 15 0 2 <1 31 1232 792 998 3456 history1 4 2 <1 history1 28844 1489 123 27	history2 28 0 5 <1 60 2152 836 1071 4206 history2 6 <1 0 history2 42374 444 40 6

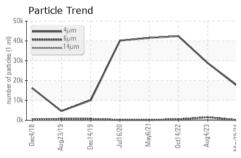


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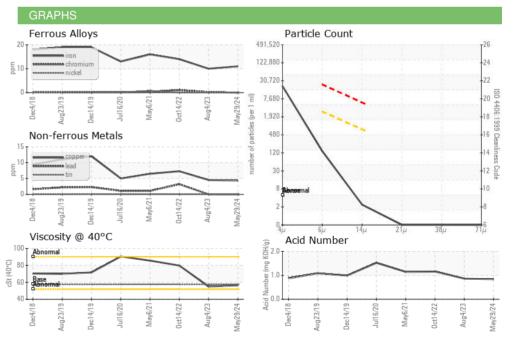






FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.84	0.86	1.16
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	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	56.5	54.9	79.8
SAMPLE IMAGES	3	method	limit/base	current	historv1	historv2

Color		
Bottom		







Certificate 12367

Laboratory Sample No.

: WC0901236 Lab Number : 06206434 Unique Number : 11073895

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 11 Jun 2024 **Tested** : 13 Jun 2024 Diagnosed

: 13 Jun 2024 - Don Baldridge

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS

国旗

US 67213 Contact: DOUG KING doug.king@sherwood.net

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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