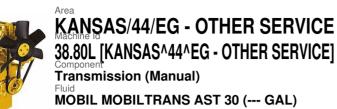


OIL ANALYSIS REPORT

NORMAL

Sample Rating Trend



38.80L [KANSAS^44^EG - OTHER SERVICE] Transmission (Manual) MOBIL MOBILTRANS AST 30 (--- GAL)

SAMPLE INFORM Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status CONTAMINATION Water WEAR METALS Iron Chromium Nickel Titanium Silver Aluminum	hrs hrs J ppm ppm ppm	method Client Info Client Info Client Info Client Info Client Info WC Method MC Method ASTM D5185m	limit/base limit/base >0.1 limit/base	current WC0914551 07 Jun 2024 8430 850 Changed NORMAL current NEG	history1 WC0598579 12 Oct 2021 7583 500 N/A NORMAL history1 NEG	history2 WC0616646 03 Sep 2021 7580 1025 Changed NORMAL history2 NEG
Sample Date Machine Age Oil Age Oil Changed Sample Status CONTAMINATION Water WEAR METALS Iron Chromium Nickel Titanium Silver	hrs J ppm ppm ppm	Client Info Client Info Client Info Client Info WC Method WC Method ASTM D5185m	>0.1	07 Jun 2024 8430 850 Changed NORMAL current	12 Oct 2021 7583 500 N/A NORMAL history1 NEG	03 Sep 2021 7580 1025 Changed NORMAL history2
Sample Date Machine Age Oil Age Oil Changed Sample Status CONTAMINATION Water WEAR METALS Iron Chromium Nickel Titanium Silver	hrs J ppm ppm ppm	Client Info Client Info Client Info Method WC Method Method ASTM D5185m	>0.1	8430 850 Changed NORMAL	7583 500 N/A NORMAL history1 NEG	7580 1025 Changed NORMAL history2
Machine Age Oil Age Oil Changed Sample Status CONTAMINATION Water WEAR METALS Iron Chromium Nickel Titanium Silver	hrs J ppm ppm ppm	Client Info Client Info Client Info Method WC Method Method ASTM D5185m	>0.1	8430 850 Changed NORMAL	7583 500 N/A NORMAL history1 NEG	7580 1025 Changed NORMAL history2
Oil Age Oil Changed Sample Status CONTAMINATION Water WEAR METALS Iron Chromium Nickel Titanium Silver	hrs J ppm ppm ppm	Client Info Client Info method WC Method method ASTM D5185m	>0.1	850 Changed NORMAL current	500 N/A NORMAL history1 NEG	1025 Changed NORMAL history2
Oil Changed Sample Status CONTAMINATION Water WEAR METALS Iron Chromium Nickel Titanium Silver	ppm ppm ppm	Client Info method WC Method method ASTM D5185m	>0.1	Changed NORMAL current	N/A NORMAL history1 NEG	Changed NORMAL history2
Sample Status CONTAMINATION Water WEAR METALS Iron Chromium Nickel Titanium Silver	ppm ppm ppm	WC Method method ASTM D5185m	>0.1	NORMAL current	NORMAL history1 NEG	NORMAL history2
CONTAMINATION Water WEAR METALS Iron Chromium Nickel Titanium Silver	ppm ppm ppm	WC Method method ASTM D5185m	>0.1		NEG	
Water WEAR METALS Iron Chromium Nickel Titanium Silver	ppm ppm ppm	WC Method method ASTM D5185m	>0.1		NEG	
WEAR METALS Iron Chromium Nickel Titanium Silver	ppm ppm	method ASTM D5185m				
Iron Chromium Nickel Titanium Silver	ppm ppm	ASTM D5185m	initiaded			history2
Chromium Nickel Titanium Silver	ppm ppm		>200	15	4	12
Nickel Titanium Silver	ppm	ASTM D5185m		<1	<1	<1
Titanium Silver		ASTM D5185m		0	<1	0
Silver	nnm		>5		<1	
	ppm	ASTM D5185m ASTM D5185m	>7	<1	<1	<1 0
	ppm			0		
	ppm	ASTM D5185m		2	<1 0	<1
Lead	ppm		>45	0		<1
Copper	ppm	ASTM D5185m		1	<1	1
Tin A atima anu	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m			0	0
						0
	ppm					<1
ADDITIVES			limit/base	current		history2
Boron	ppm	ASTM D5185m		39		35
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		13	12	11
Calcium	ppm	ASTM D5185m		3049	3055	3126
Phosphorus	ppm	ASTM D5185m		1106	871	963
Zinc	ppm	ASTM D5185m		1278	1142	1158
Sulfur	ppm	ASTM D5185m		5909	7765	4117
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	6	7	6
Sodium	ppm	ASTM D5185m		0	1	2
Potassium	ppm	ASTM D5185m	>20	1	6	3
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 Free Water	scalar	*Visual	>0.1	NEG	NEG	NEG
	scalar				Supercitted By	
	Vanadium Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	VanadiumppmCadmiumppmCadmiumppmADDITIVESBoronppmBariumppmMolybdenumppmMagnesiumppmMagnesiumppmCalciumppmPhosphorusppmZincppmSulfurppmSodiumppmPotassiumppmVISUALvisualVisualscalarYellow MetalscalarPrecipitatescalarSiltscalarSiltscalarSend/DirtscalarAppearancescalar	VanadiumppmASTM D5185mCadmiumppmASTM D5185mADDITIVESmethodBoronppmASTM D5185mBariumppmASTM D5185mMolybdenumppmASTM D5185mMagnesiumppmASTM D5185mCalciumppmASTM D5185mPhosphorusppmASTM D5185mSulfurppmASTM D5185mSoliticonppmASTM D5185mSodiumppmASTM D5185mPotassiumppmASTM D5185mSulfurppmASTM D5185mSodiumppmASTM D5185mPotassiumppmASTM D5185mVISUALmethodVisualscalar*VisualYellow Metalscalar*VisualPrecipitatescalar*VisualSiltscalar*VisualDebrisscalar*VisualAppearancescalar*Visual	VanadiumppmASTM D5185mCadmiumppmASTM D5185mADDITIVESmethodlimit/baseBoronppmASTM D5185mBariumppmASTM D5185mMolybdenumppmASTM D5185mMaganeseppmASTM D5185mMagnesiumppmASTM D5185mCalciumppmASTM D5185mPhosphorusppmASTM D5185mSulfurppmASTM D5185mSulfurppmASTM D5185mSodiumppmASTM D5185mPotassiumppmASTM D5185mSulfurppmASTM D5185mSodiumppmASTM D5185mPotassiumppmASTM D5185mSiltscalar*VisualNONEscalar*VisualNONEscalar*VisualNONEscalar*VisualNONEscalar*VisualSiltscalar*VisualAppearancescalar*VisualAppearancescalar*VisualAppearancescalar	VanadiumppmASTM D5185m0CadmiumppmASTM D5185m0ADDITIVESmethodlimit/basecurrentBoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m0ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m0MagnesiumppmASTM D5185m13CalciumppmASTM D5185m13CalciumppmASTM D5185m106ZincppmASTM D5185m1278SulfurppmASTM D5185m5909CONTAMINANTSmethodlimit/basecurrentSiliconppmASTM D5185m>1256SodiumppmASTM D5185m>201VISUALmethodlimit/basecurrentVISUALscalar*VisualNONENONEVisualNONENONENONENONEPrecipitatescalar*VisualNONENONESiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNONENONE	VanadiumppmASTM D5185m00CadmiumppmASTM D5185m00ADDITIVESmethodlimit/basecurrenthistory1BoronppmASTM D5185m3933BariumppmASTM D5185m00MolybdenumppmASTM D5185m0<1

Recommendation

Resample at the next service interview

Wear

All component wear rates are norm

Contamination

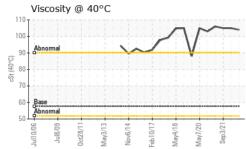
There is no indication of any contain fluid.

Fluid Condition

The condition of the fluid is accepta in service.



OIL ANALYSIS REPORT



	FLUID PROPER	TIES	method	limit/base	current	history1	history2					
	Visc @ 40°C	cSt	ASTM D445		104	105	105					
Mar//20	SAMPLE IMAGE		method	limit/base	current	history1	history2					
	Color				no image	no image	no image					
	Bottom				no image	no image	no image					
	GRAPHS Ferrous Alloys		10790100	1000								
	And the second s											
	10 9 8 7 6 5 4											
	40°C	Nov6/14	May7/20	Sep3/21								
	110 100 90 - Abnormal 0	\sim	V									
	70 60 Base Abnomal 50 9001In F	Nov6/14+	May7/20 +	Sep3/21								
Laboratory Sample No. Lab Number Unique Number Test Package s sample report,	: 11088965	Rece Teste Diage	ived : 20 ed : 21 nosed : 21) Jun 2024 I Jun 2024 Jun 2024 - V		Contac	ICTION CO INC WEST MAY ST WICHITA, KS US 67213 t: 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)

Report Id: SHEWIC [WUSCAR] 06216101 (Generated: 06/23/2024 05:25:03) Rev: 1

Certificate L2367

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Submitted By: RUSTY RILEY Page 2 of 2

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