

OIL ANALYSIS REPORT

Sample Rating Trend





Area KANSAS/44 53.168L [KANSAS^44] Component Right Final Drive

Fluid MOBIL MOBILTRANS HD 50 (0 GAL)

AGI	NOC	510	

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

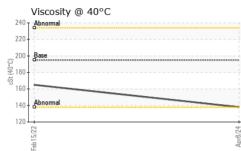
Fluid Condition

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

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0918161	WC0630433	
Sample Date		Client Info		08 Apr 2024	15 Feb 2022	
Machine Age	hrs	Client Info		2010	506	
Oil Age	hrs	Client Info		2010	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	730	142	
Chromium	ppm	ASTM D5185m	>10	12	2	
Nickel	ppm	ASTM D5185m	>5	2	<1	
Titanium	ppm	ASTM D5185m	>15	2	<1	
Silver	ppm	ASTM D5185m	>2	<1	<1	
Aluminum	ppm	ASTM D5185m	>75	20	2	
Lead	ppm	ASTM D5185m	>10	1	<1	
Copper	ppm	ASTM D5185m	>75	4	1	
Tin	ppm	ASTM D5185m	>8	<1	<1	
Antimony	ppm	ASTM D5185m	>50		<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron				100	005	
DOIOII	ppm	ASTM D5185m		193	235	
Boron Barium	ppm	ASTM D5185m ASTM D5185m		193 3	0	
Barium	ppm	ASTM D5185m		3	0	
Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m		3 2	0 <1	
Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		3 2 6	0 <1 1	
Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		3 2 6 12	0 <1 1 <1	
Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		3 2 6 12 2068	0 <1 1 <1 14	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		3 2 6 12 2068 1360	0 <1 1 <1 14 1422	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	3 2 6 12 2068 1360 905	0 <1 1 <1 14 1422 14	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		3 2 6 12 2068 1360 905 12008	0 <1 1 <1 14 1422 14 21779	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		3 2 6 12 2068 1360 905 12008 current	0 <1 1 <1 14 1422 14 21779 history1	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>400	3 2 6 12 2068 1360 905 12008 <u>current</u> 115	0 <1 1 <1 14 1422 14 21779 history1 4	 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	>400	3 2 6 12 2068 1360 905 12008 current 115 8	0 <1 1 <1 14 1422 14 21779 history1 4 6	 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>400 >20	3 2 6 12 2068 1360 905 12008 current 115 8 13	0 <1 1 <1 14 1422 14 21779 history1 4 6 3	 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>400 >20 limit/base	3 2 6 12 2068 1360 905 12008 current 115 8 13 2 Current	0 <1 1 <1 14 1422 14 21779 history1 4 6 3 3 history1	 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>400 >20 limit/base NONE	3 2 6 12 2068 1360 905 12008 current 115 8 13 current NONE	0 <1 1 <1 14 1422 14 21779 history1 4 6 3 history1 MODER	 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>400 >20 limit/base NONE NONE	3 2 6 12 2068 1360 905 12008 <u>current</u> 115 8 13 13 <u>current</u> NONE NONE	0 <1 1 <1 14 1422 14 21779 history1 4 6 3 history1 MODER NONE	 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Yisual	>400 >20 limit/base NONE NONE NONE	3 2 6 12 2068 1360 905 12008 <u>current</u> 115 8 13 13 <u>current</u> NONE NONE NONE	0 <1 1 <1 14 1422 14 21779 history1 4 6 3 3 history1 MODER NONE NONE	 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Yuisual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE	3 2 6 12 2068 1360 905 12008 <u>current</u> 115 8 13 <u>current</u> NONE NONE NONE NONE	0 <1 1 <1 14 1422 14 21779 history1 4 6 3 3 history1 MODER NONE NONE NONE NONE	 history2 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE NONE	3 2 6 12 2068 1360 905 12008 <u>current</u> 115 8 13 <u>current</u> NONE NONE NONE NONE NONE	0 <1 1 <1 14 1422 14 21779 history1 4 6 3 history1 4 6 3 MODER NONE NONE NONE NONE NONE	 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE NONE NONE	3 2 6 12 2068 1360 905 12008 current 115 8 13 current NONE NONE NONE NONE NONE NONE NONE	0 <1 1 <1 14 1422 14 21779 history1 4 6 3 WODER NONE NONE NONE NONE NONE NONE NONE NO	 history2 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NON	3 2 6 12 2068 1360 905 12008 <u>current</u> 115 8 13 <u>current</u> NONE NONE NONE NONE NONE NONE NONE NON	0 <1 1 <1 14 1422 14 21779 history1 4 6 3 <i>history1</i> 4 6 3 <i>history1</i> MODER NONE NONE NONE NONE NONE NONE NONE NO	 history2 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D	>400 >20 Iinit/base NONE NONE NONE NONE NONE NONE NONE NORML NORML	3 2 6 12 2068 1360 905 12008 Current 115 8 13 Current NONE NONE NONE NONE NONE NONE NONE NON	0 <1 1 <1 14 1422 14 21779 history1 4 6 3 <i>history1</i> 4 6 3 <i>history1</i> MODER NONE NONE NONE NONE NONE NONE NONE NO	 history2 history2 history2 history2



OIL ANALYSIS REPORT



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Unique Number : 10982480 Diagnosed : 22 Apr 2024 - Don Baldridge Contact: RANDY ROBERTS Test Package : CONST Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. randy.roberts@sherwood.net * - 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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