

OIL ANALYSIS REPORT

Sample Rating Trend



666

Area OKLAHOMA/102 Machine Id 69.105L [OKLAHOMA^102] Component Transmission (Manual) Fluid

Fluid MOBIL MOBILTRANS AST 30 (--- GAL)

DIAGNOSIS	SAMPLE INFORM	IATION	method				history2
Recommendation	Sample Number		Client Info		WC0864288	WC0819864	WC0630405
Resample at the next service interval to monitor. (Sample Date		Client Info		18 Dec 2023	28 Nov 2023	06 Apr 2022
Customer Sample Comment: 2822 hrs)	Machine Age	hrs	Client Info		2822	2766	12
Vear	Oil Age	hrs	Client Info		2822	2766	0
Il component wear rates are normal.	Oil Changed		Client Info		N/A	N/A	Not Changd
Contamination	Sample Status				NORMAL	NORMAL	NORMAL
here is no indication of any contamination in the uid.	CONTAMINATION	N	method	limit/base	current	history1	history2
luid Condition	Water		WC Method	>0.1	NEG	NEG	NEG
he condition of the fluid is acceptable for the time service.	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>200	23	27	2
	Chromium	ppm	ASTM D5185m	>5	<1	<1	0
	Nickel	ppm	ASTM D5185m	>5	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>7	0	0	<1
	Aluminum	ppm	ASTM D5185m	>25	2	2	<1
	Lead	ppm	ASTM D5185m	>45	1	2	1
	Copper	ppm	ASTM D5185m	>225	15	17	2
	Tin	ppm	ASTM D5185m	>10	0	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	<1
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		6	<1	4
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	<1	<1
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Managerium	ppm					
	Magnesium	ppin	ASTM D5185m		11	11	10
	Calcium	ppm	ASTM D5185m ASTM D5185m		3110	11 2974	10 3335
	Calcium	ppm					
	-		ASTM D5185m		3110	2974	3335
	Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m		3110 1060	2974 1040	3335 1098
	Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	3110 1060 1274	2974 1040 1248	3335 1098 1371
	Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		3110 1060 1274 8322	2974 1040 1248 8511	3335 1098 1371 7082
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method		3110 1060 1274 8322 current	2974 1040 1248 8511 history1	3335 1098 1371 7082 history2
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	>125	3110 1060 1274 8322 current 6	2974 1040 1248 8511 history1 7	3335 1098 1371 7082 history2 4
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>125	3110 1060 1274 8322 current 6 2 2 2	2974 1040 1248 8511 history1 7 3	3335 1098 1371 7082 history2 4 0 3
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m	>125 >20	3110 1060 1274 8322 current 6 2 2 2	2974 1040 1248 8511 history1 7 3 2	3335 1098 1371 7082 history2 4 0 3
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>125 >20 limit/base	3110 1060 1274 8322 current 6 2 2 2 current	2974 1040 1248 8511 history1 7 3 2 kistory1	3335 1098 1371 7082 history2 4 0 3 history2
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m XFM D5185m	>125 >20 limit/base NONE	3110 1060 1274 8322 current 6 2 2 2 2 current NONE	2974 1040 1248 8511 <u>history1</u> 7 3 2 <u>history1</u> NONE	3335 1098 1371 7082 history2 4 0 3 history2 VLITE
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	>125 >20 limit/base NONE NONE	3110 1060 1274 8322 current 6 2 2 2 current NONE NONE	2974 1040 1248 8511 <u>history1</u> 7 3 2 <u>history1</u> NONE NONE	3335 1098 1371 7082 history2 4 0 3 history2 VLITE NONE
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual	>125 >20 limit/base NONE NONE NONE	3110 1060 1274 8322 current 6 2 2 2 current NONE NONE NONE	2974 1040 1248 8511 7 3 2 <u>history1</u> NONE NONE NONE	3335 1098 1371 7082 history2 4 0 3 history2 VLITE NONE NONE
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>125 >20 limit/base NONE NONE NONE NONE	3110 1060 1274 8322 current 6 2 2 2 current NONE NONE NONE NONE	2974 1040 1248 8511 7 3 2 history1 NONE NONE NONE NONE NONE	3335 1098 1371 7082 history2 4 0 3 history2 VLITE NONE NONE NONE
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	>125 >20 limit/base NONE NONE NONE NONE NONE	3110 1060 1274 8322 current 6 2 2 2 current NONE NONE NONE NONE NONE NONE	2974 1040 1248 8511 7 3 2 history1 NONE NONE NONE NONE NONE NONE	3335 1098 1371 7082 history2 4 0 3 history2 VLITE NONE NONE NONE NONE NONE
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	3110 1060 1274 8322 current 6 2 2 2 current NONE NONE NONE NONE NONE NONE NONE	2974 1040 1248 8511 7 3 2 <u>history1</u> NONE NONE NONE NONE NONE NONE NONE NON	3335 1098 1371 7082 history2 4 0 3 history2 VLITE NONE NONE NONE NONE NONE
	Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 limit/base NONE NONE NONE NONE NONE	3110 1060 1274 8322 current 6 2 2 2 current NONE NONE NONE NONE NONE NONE NONE NON	2974 1040 1248 8511 7 3 2 history1 NONE NONE NONE NONE NONE NONE NONE	3335 1098 1371 7082 history2 4 0 3 history2 VLITE NONE NONE NONE NONE NONE NONE NONE NO

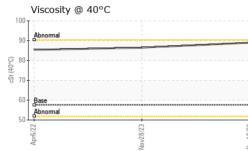
Report Id: SHEWIC [WUSCAR] 06057059 (Generated: 01/11/2024 16:24:48) Rev: 1

Submitted By: LOUIS BRESHEARS



OIL ANALYSIS REPORT

FLUID PROPERTIES method



Visc @ 40°C cSt ASTM D445 57.6 89.0 86.5 85.4 SAMPLE IMAGES method imit/base current history1 history2 Color no image no image no image Bottom no image no image no image GRAPHS Ferrous Alloys 0 0 0 0 0 0 0 0 0 0 0 0 0
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Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 SHERWOOD CONSTRUCTION CO INC
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