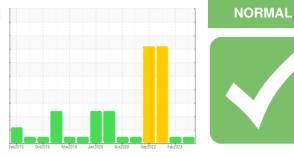


OIL ANALYSIS REPORT

Sample Rating Trend



Area OKLAHOMA/102 39.60 [OKLAHOMA^102] Right Final Drive



Fluid MOBIL 50W (--- GAL)

DIAGNOSIS

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

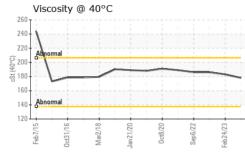
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0914473	WC0778340	WC0758794
Sample Date		Client Info		07 Jun 2024	24 Feb 2023	17 Nov 2022
Machine Age	hrs	Client Info		14740	13323	12945
Oil Age	hrs	Client Info		467	378	3275
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	SEVERE
CONTAMINATION	۷	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	432	133	1 157
Chromium	ppm	ASTM D5185m	>10	4	1	<u> </u>
Nickel	ppm	ASTM D5185m	>5	1	<1	4
Titanium	ppm	ASTM D5185m	>15	2	1	7
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	29	15	87
Lead	ppm	ASTM D5185m	>10	<1	<1	1
Copper	ppm	ASTM D5185m	>75	3	2	13
Tin	ppm	ASTM D5185m	>8	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		11	10	10
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	4	6
Manganese	ppm	ASTM D5185m		5	2	13
Manyanese	le le					
Magnesium	ppm	ASTM D5185m		37	37	44
Magnesium Calcium		ASTM D5185m ASTM D5185m		37 3059	37 2921	44 3004
Magnesium	ppm	ASTM D5185m ASTM D5185m		3059 1142		
Magnesium Calcium Phosphorus Zinc	ppm ppm	ASTM D5185m		3059 1142 1340	2921	3004
Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m		3059 1142	2921 976	3004 909
Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	3059 1142 1340 8233 current	2921 976 1203	3004 909 1238
Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	limit/base	3059 1142 1340 8233 current 157	2921 976 1203 8795	3004 909 1238 12821
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method		3059 1142 1340 8233 current	2921 976 1203 8795 history1	3004 909 1238 12821 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	>400	3059 1142 1340 8233 current 157	2921 976 1203 8795 history1 62	3004 909 1238 12821 history2 ▲ 408
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>400	3059 1142 1340 8233 current 157 2	2921 976 1203 8795 history1 62 4	3004 909 1238 12821 history2 ▲ 408 13
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m XSTM D5185m	>400 >20	3059 1142 1340 8233 current 157 2 9	2921 976 1203 8795 history1 62 4 4	3004 909 1238 12821 history2 ▲ 408 13 28
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	>400 >20 limit/base NONE NONE	3059 1142 1340 8233 current 157 2 9 current NONE NONE	2921 976 1203 8795 history1 62 4 4 4 history1 NONE NONE	3004 909 1238 12821 history2 ▲ 408 13 28 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm 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 *Visual	>400 >20 limit/base NONE NONE NONE	3059 1142 1340 8233 current 157 2 9 current NONE NONE NONE NONE	2921 976 1203 8795 history1 62 4 4 4 <u>history1</u> NONE NONE NONE	3004 909 1238 12821 history2 ▲ 408 13 28 13 28 history2 NONE NONE NONE NONE
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL VISUAL Vhite Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE	3059 1142 1340 8233 current 157 2 9 current NONE NONE NONE NONE NONE	2921 976 1203 8795 history1 62 4 4 4 history1 NONE NONE NONE NONE NONE	3004 909 1238 12821
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL VISUAL Vhite Metal Yellow Metal Precipitate Silt Debris	ppm 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 XSTM D	>400 >20 limit/base NONE NONE NONE NONE NONE	3059 1142 1340 8233 current 157 2 9 current NONE NONE NONE NONE NONE NONE	2921 976 1203 8795 history1 62 4 4 4 <u>history1</u> NONE NONE NONE NONE NONE NONE	3004 909 1238 12821
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL VISUAL Vhite Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE NONE	3059 1142 1340 8233 current 157 2 9 current NONE NONE NONE NONE NONE NONE NONE	2921 976 1203 8795 history1 62 4 4 4 <u>history1</u> NONE NONE NONE NONE NONE NONE NONE	3004 909 1238 12821 history2 ▲ 408 13 28 history2 NONE NONE NONE NONE NONE NONE NONE NON
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm 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 ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NON	3059 1142 1340 8233 current 157 2 9 current NONE NONE NONE NONE NONE NONE NONE NON	2921 976 1203 8795 history1 62 4 4 4 <u>history1</u> NONE NONE NONE NONE NONE NONE	3004 909 1238 12821
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm 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 ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE NONE	3059 1142 1340 8233 current 157 2 9 current NONE NONE NONE NONE NONE NONE NONE NON	2921 976 1203 8795 history1 62 4 4 4 <u>history1</u> NONE NONE NONE NONE NONE NONE NONE NON	3004 909 1238 12821 history2 ▲ 408 13 28 history2 NONE NONE NONE NONE NONE NONE NONE NON
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm 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 ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NON	3059 1142 1340 8233 current 157 2 9 current NONE NONE NONE NONE NONE NONE NONE NON	2921 976 1203 8795 history1 62 4 4 4 history1 NONE NONE NONE NONE NONE NONE NONE NON	3004 909 1238 12821 history2 ▲ 408 13 28 MONE NONE NONE NONE NONE NONE NONE NONE
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iinit/base NONE NONE NONE NONE NONE NONE NONE NORML NORML	3059 1142 1340 8233 current 157 2 9 current NONE NONE NONE NONE NONE NONE NONE NON	2921 976 1203 8795 history1 62 4 4 4 NONE NONE NONE NONE NONE NONE NON	3004 909 1238 12821 history2 ▲ 408 13 28 history2 NONE NONE NONE NONE NONE NONE NONE NON

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OIL ANALYSIS REPORT



	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445		178	183	186
	SAMPLE IMAG	ES	method	limit/base	current	history1	history2
23	Color				no image	no image	no image
Feb 24/23	Bottom				no image	no image	no image
	GRAPHS			L			
cst (40°C)	Ferrous Alloys	Jan21/20	DctB/20 DctB/20 DctB/20 Sep6/22 Sep6/22 Sep6/22				
	11088979	Rec Test	eived : 20 ted : 21	NC 27513 Jun 2024 Jun 2024 Jun 2024 - W			UCTION CO INC WEST MAY ST WICHITA, KS US 67213



Certificate 12367 Test Package : CONST 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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