

OIL ANALYSIS REPORT

Area OKLAHOMA/102/EG - LOADER

Sample Rating Trend



45.53L [OKLAHOMA^102^EG - LOADER] Component -Transmission (Manual) Fluid MOBIL MOBILTRANS AST 30 (3 GAL)

	SAMPLE INFORM	VIATION	method	limit/base	current	history1	history2
ecommendation	Sample Number		Client Info		WC0935287	WC0857270	WC0800775
esample at the next service interval to monitor.	Sample Date		Client Info		16 May 2024	23 Oct 2023	16 May 2023
/ear	Machine Age	hrs	Client Info		4860	4300	3502
l component wear rates are normal.	Oil Age	hrs	Client Info		560	800	131
ontamination	Oil Changed		Client Info		Changed	Changed	Changed
nere is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
lid.	CONTAMINATIO	N	method	limit/hase	current	history1	history2
uid Condition		I N	method	in in base	current	Thistory I	This to Fyz
The condition of the fluid is acceptable for the time n service.			WC Method	>0.1	NEG	NEG	NEG
			method		ourrent	Thotory I	motoryz
	Iron	ppm	ASTM D5185m	>200	12	13	38
	Chromium	ppm	ASTM D5185m	>5	0	0	<1
	Nickel	ppm	ASTM D5185m	>5	0	0	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>7	0	0	0
	Aluminum	ppm	ASTM D5185m	>25	<1	1	<1
	Lead	ppm	ASTM D5185m	>45	0	<1	2
	Copper	ppm	ASTM D5185m	>225	<1	0	<1
	Tin	ppm	ASTM D5185m	>10	<1	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		40	38	30
	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		<1	<1	2
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		20	17	16
	Calcium	ppm	ASTM D5185m		3246	2871	3342
	Phosphorus	ppm	ASTM D5185m		1127	897	1144
	Zinc	ppm	ASTM D5185m		1278	1187	1406
	Sulfur	ppm	ASTM D5185m		5718	4944	6882
	CONTAMINANTS	5	method	limit/base	current	historv1	history2
				initi/base	current		
	Silicon	ppm	ASTM D5185m	>125	4	4	6
	Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>125	4 1	4	6
	Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>125 >20	4 1 0	4 2 <1	6 1 <1
	Silicon Sodium Potassium VISUAL	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m Method	>125 >20 limit/base	4 1 0 current	4 2 <1 history1	6 1 <1 history2
	Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	>125 >20 limit/base NONE	4 1 0 current NONE	4 2 <1 history1 NONE	6 1 <1 history2 NONE
	Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual	>125 >20 limit/base NONE NONE	4 1 0 current NONE NONE	4 2 <1 history1 NONE NONE	6 1 <1 history2 NONE NONE
	Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual	>125 >20 limit/base NONE NONE NONE	4 1 0 current NONE NONE NONE	4 2 <1 history1 NONE NONE NONE	6 1 <1 history2 NONE NONE NONE
	Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual *Visual	>125 >20 limit/base NONE NONE NONE NONE	4 1 0 current NONE NONE NONE NONE	4 2 <1 <u>history1</u> NONE NONE NONE NONE	6 1 <1 NONE NONE NONE NONE NONE
	Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m Method *Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 limit/base NONE NONE NONE NONE NONE	4 1 0 current NONE NONE NONE NONE NONE	4 2 <1 NONE NONE NONE NONE LIGHT	6 1 <1 NONE NONE NONE NONE NONE NONE
	Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 Imit/base NONE NONE NONE NONE NONE NONE	4 1 0 current NONE NONE NONE NONE NONE NONE	4 2 <1 NONE NONE NONE NONE LIGHT NONE	6 1 <1 NONE NONE NONE NONE NONE NONE NONE
	Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	4 1 0 current NONE NONE NONE NONE NONE NONE NONE	4 2 <1 NONE NONE NONE NONE LIGHT NONE NORE NORML	6 1 <1 NONE NONE NONE NONE NONE NONE NONE NON
	Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 Iimit/base NONE NONE NONE NONE NONE NONE NORML NORML	4 1 0 current NONE NONE NONE NONE NONE NONE NONE NORML	4 2 <1 NONE NONE NONE LIGHT NONE NONE NORML NORML	6 1 <1 NONE NONE NONE NONE NONE NONE NONE NON
	Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NORML NORML >0.1	4 1 0 current NONE NONE NONE NONE NONE NONE NORML NORML NEG	4 2 <1 NONE NONE NONE LIGHT NONE NORML NORML NEG	6 1 <1 NONE NONE NONE NONE NONE NONE NORML NORML NEG



OIL ANALYSIS REPORT



		ERHES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	57.6	100	97.9	93.7
-	SAMPLE IMA	GES	method	limit/base	current	history1	history2
13	Color				no image	no image	no image
May16/2 May16/2	Bottom				no image	no image	no image
	GRAPHS						1
	Ferrous Alloys	LDE JOE	22/2 Jul 22/	124 K May16/24 May16/24			
	Viscosity @ 40	⊃°C	louc	Mayl			
	85 80 75 70 65 60 55 Abnomal 50 12 12 12 12 12 12 12 12 12 12	21+	23	24			
Laboratory Sample No. Lab Number Unique Number	: WearCheck USA - : WC0935287 : 06200670 : 11062793	501 Madis Rec Test Diag	con Ave., Cary eived : 05 red : 06 gnosed : 06	r, NC 27513 5 Jun 2024 6 Jun 2024 6 Jun 2024 - W	SHERV Ves Davis	VOOD CONSTRU 3219	JCTION CO INC WEST MAY ST WICHITA, KS US 67213



* - 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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Page 2 of 2

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