

## **OIL ANALYSIS REPORT**

Area OKLAHOMA/102/EG - EXCAVATOR

20.408L [OKLAHOMA^102^EG - EXCAVATOR] Component Swing Drive

Sample Rating Trend

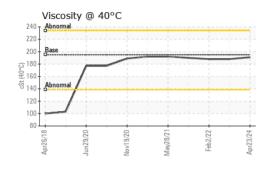


MOBIL MOBILTRANS HD 50 (--- GAL)

SAMPLE INFORM	IATION	method				history2
Sample Number		Client Info		WC0914549	WC0678878	WC0643046
Sample Date		Client Info		23 Apr 2024	29 Mar 2022	02 Feb 2022
Machine Age	hrs	Client Info		7570	5829	5637
Oil Age	hrs	Client Info		1741	980	506
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
·	J	method	limit/base	current	historv1	history2
Water					NEG	NEG
WEAR METALS		method	limit/base		history1	history2
	maa					66
						<1
						<1
			210			<1
						0
			>25			2
						1
						<1
						<1
,			>5			1
						0
	ppm					0
ADDITIVES			limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7	0	10
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		2	3	3
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m				
Calcium				28	35	37
Galcium	ppm	ASTM D5185m		28 3206	35 3216	37 3271
Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m				
				3206	3216	3271
Phosphorus	ppm	ASTM D5185m		3206 1097	3216 1049	3271 1103
Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base	3206 1097 1289 11376	3216 1049 1274	3271 1103 1325
Phosphorus Zinc Sulfur	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		3206 1097 1289 11376	3216 1049 1274 11162	3271 1103 1325 12124
Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method		3206 1097 1289 11376 current	3216 1049 1274 11162 history1	3271 1103 1325 12124 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m	>50	3206 1097 1289 11376 current 12	3216 1049 1274 11162 history1 6	3271 1103 1325 12124 history2 6
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m	>50	3206 1097 1289 11376 current 12 0 0	3216 1049 1274 11162 history1 6 <1	3271 1103 1325 12124 history2 6 1
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20	3206 1097 1289 11376 current 12 0 0 0 current NONE	3216 1049 1274 11162 history1 6 <1 0	3271 1103 1325 12124 history2 6 1 2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 limit/base	3206 1097 1289 11376 current 12 0 0 0 Current	3216 1049 1274 11162 history1 6 <1 0 history1	3271 1103 1325 12124 history2 6 1 2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *Visual	>50 >20 limit/base NONE	3206 1097 1289 11376 current 12 0 0 0 current NONE	3216 1049 1274 11162 history1 6 <1 0 history1 NONE	3271 1103 1325 12124 history2 6 1 2 history2 MODER
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *Visual	>50 >20 limit/base NONE NONE	3206 1097 1289 11376 current 12 0 0 0 current NONE NONE	3216 1049 1274 11162 history1 6 <1 0 history1 NONE NONE	3271 1103 1325 12124 history2 6 1 2 history2 MODER NONE
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	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	>50 >20 limit/base NONE NONE NONE	3206 1097 1289 11376 current 12 0 0 0 current NONE NONE NONE NONE	3216 1049 1274 11162 history1 6 <1 0 history1 NONE NONE NONE NONE	3271 1103 1325 12124 history2 6 1 2 history2 MODER NONE NONE NONE
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	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	>50 >20 limit/base NONE NONE NONE NONE	3206 1097 1289 11376 current 12 0 0 0 current NONE NONE NONE NONE NONE	3216 1049 1274 11162 history1 6 <1 0 history1 NONE NONE NONE NONE NONE	3271 1103 1325 12124 history2 6 1 2 history2 MODER NONE NONE NONE
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	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 *Visual *Visual *Visual *Visual *Visual	>50 >20 limit/base NONE NONE NONE NONE NONE	3206 1097 1289 11376 current 12 0 0 0 current NONE NONE NONE NONE NONE NONE	3216 1049 1274 11162 history1 6 <1 0 history1 NONE NONE NONE NONE NONE LIGHT	3271 1103 1325 12124 history2 6 1 2 history2 MODER NONE NONE NONE NONE NONE
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 *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>50 >20 limit/base NONE NONE NONE NONE NONE NONE	3206 1097 1289 11376 current 12 0 0 0 current NONE NONE NONE NONE NONE NONE NONE	3216 1049 1274 11162 history1 6 <1 0 history1 NONE NONE NONE NONE LIGHT NONE	3271 1103 1325 12124 history2 6 1 2 history2 MODER NONE NONE NONE NONE NONE NONE
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 *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>50 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	3206 1097 1289 11376 <b>current</b> 12 0 0 0 <b>current</b> NONE NONE NONE NONE NONE NONE NONE NON	3216 1049 1274 11162 history1 6 <1 0 history1 NONE NONE NONE NONE LIGHT NONE LIGHT NONE NONE	3271 1103 1325 12124 history2 6 1 2 history2 MODER NONE NONE NONE NONE NONE NONE NONE NO
	Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status CONTAMINATION Water WEAR METALS Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Aluminum Lead Copper Tin Antimony Vanadium Cadmium Cadmium Boron Barium Molybdenum	Sample NumberSample DateIMachine AgehrsOil AgehrsOil ChangedSample StatusSample StatusICONTAMINATIONWEAR METALSIronppmChromiumppmNickelppmTitaniumppmSilverppmAluminumppmLeadppmTinppmAntimonyppmVanadiumppmCadmiumppmBoronppmBariumppmManganeseppm	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoOil ChangedClient InfoSample StatusClient InfoCONTAMINATIONmethodWaterWC MethodWeaterWC MethodIronppmASTM D5185mChromiumppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mLeadppmASTM D5185mTinppmASTM D5185mTinppmASTM D5185mAntimonyppmASTM D5185mVanadiumppmASTM D5185mAntimonyppmASTM D5185mAntimonyppmASTM D5185mAntimonyppmASTM D5185mAntimonyppmASTM D5185mAntimonyppmASTM D5185mAndiumppmASTM D5185mAndiumppmASTM D5185mMolybdenumppmASTM D5185mManganeseppmASTM D5185m	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoOil ChangedClient InfoSample StatusClient InfoCONTAMINATIONmethodlimit/baseWaterWC Method>0.2WEAR METALSmethodlimit/baseIronppmASTM D5185m>400ChromiumppmASTM D5185m>10NickelppmASTM D5185m>10SilverppmASTM D5185m>25LeadppmASTM D5185m>200TinppmASTM D5185m>10AntimonyppmASTM D5185m>50CopperppmASTM D5185m>50CadmiumppmASTM D5185m>5VanadiumppmASTM D5185m>5VanadiumppmASTM D5185m>5ADDITIVESmethodlimit/baseBoronppmASTM D5185mBariumppmASTM D5185mMolybdenumppmASTM D5185mppmASTM D5185mMolybdenumppmASTM D5185mManganeseppmASTM D5185m	Sample NumberClient InfoWC0914549Sample DateClient Info23 Apr 2024Machine AgehrsClient Info7570Oil AgehrsClient Info1741Oil ChangedClient InfoChangedSample StatusIImit/basecurrentWaterWC Method>0.2NEGWEAR METALSmethodimit/basecurrentIronppmASTM D5185m>40075ChromiumppmASTM D5185m>10<1	Sample NumberClient InfoWC0914549WC0678878Sample DateClient Info23 Apr 202429 Mar 2022Machine AgehrsClient Info75705829Oil AgehrsClient Info1741980Oil ChangedClient InfoChangedChangedChangedSample StatusImit/basecurrenthistory1WaterWC Method>0.2NEGNEGWEAR METALSmethodlimit/basecurrenthistory1IronppmASTM D5185m>4007565ChromiumppmASTM D5185m>10<1



## **OIL ANALYSIS REPORT**



FLUID PROPERTIES		method	nethod limit/base current		history1	history2	
Visc @ 40°C	cSt	ASTM D445	195	191	188	188	
SAMPLE IMAG	ES	method	limit/base	current	history1	history2	
Color				no image	no image	no image	
Bottom				no image	no image	no image	
GRAPHS							

