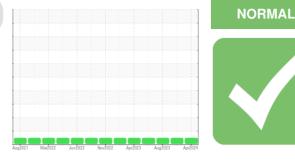


OIL ANALYSIS REPORT



Sample Rating Trend





Area COLORADO/443/EG - EXCAVATOR 20.522L [COLORADO^443^EG - EXCAVATOR] Left Final Drive

Fluid MOBIL MOBILTRANS HD 50 (2 GAL)

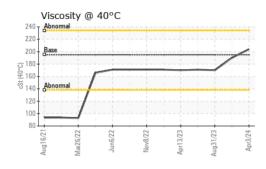
DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0883916	WC0859581	WC0823087
Resample at the next service interval to monitor.	Sample Date		Client Info		03 Apr 2024	04 Dec 2023	31 Aug 2023
Wear	Machine Age	hrs	Client Info		3740	3459	3116
All component wear rates are normal.	Oil Age	hrs	Client Info		1431	1493	1384
Contamination	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
oil.	CONTAMINATIO	N	method	limit/base	current	history1	history2
Fluid Condition The condition of the oil is acceptable for the time in service.	Water		WC Method		NEG	NEG	NEG
	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>800	13	31	40
	Chromium	ppm	ASTM D5185m	>10	<1	<1	0
	Nickel	ppm	ASTM D5185m	>5	0	0	0
	Titanium	ppm	ASTM D5185m	>15	<1	<1	<1
	Silver	ppm	ASTM D5185m	>2	<1	0	0
	Aluminum	ppm	ASTM D5185m	>75	2	1	1
	Lead	ppm	ASTM D5185m	>10	0	<1	<1
	Copper	ppm	ASTM D5185m	>75	<1	<1	0
	Tin	ppm	ASTM D5185m	>8	<1	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		0	3	0
	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		<1	1	<1
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		13	2	17
	Calcium	ppm	ASTM D5185m		3144	3056	3270
	Phoophorup	nnm	ASTM D5185m		1000		1071
	Phosphorus	ppm	AO INI DO IODIII		1088	959	1071
	Zinc	ppm	ASTM D5185m		1088	959 1416	1071 1369
	Zinc	ppm ppm	ASTM D5185m	limit/base	1252 9625	1416	1369
	Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m	limit/base	1252 9625	1416 15799	1369 14411
	Zinc Sulfur CONTAMINANTS	ppm ppm	ASTM D5185m ASTM D5185m method		1252 9625 current	1416 15799 history1	1369 14411 history2
	Zinc Sulfur CONTAMINANTS Silicon	ppm ppm 6 ppm	ASTM D5185m ASTM D5185m method ASTM D5185m	>400	1252 9625 current 9	1416 15799 history1 8	1369 14411 history2 9
	Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm 6 ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>400	1252 9625 current 9 0 3	1416 15799 history1 8 <1	1369 14411 history2 9 2
	Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm 6 ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>400 >20 limit/base NONE	1252 9625 current 9 0 3 current NONE	1416 15799 history1 8 <1 1 history1 NONE	1369 14411 history2 9 2 1
	Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm S ppm ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m Method	>400 >20 limit/base	1252 9625 current 9 0 3 current	1416 15799 history1 8 <1 1 history1	1369 14411 history2 9 2 1 1 history2
	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 method *Visual	>400 >20 limit/base NONE NONE NONE	1252 9625 current 9 0 3 current NONE	1416 15799 history1 8 <1 1 1 history1 NONE NONE NONE	1369 14411 9 2 1 <u>history2</u> NONE NONE NONE
	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 method *Visual	>400 >20 limit/base NONE NONE	1252 9625 current 9 0 3 current NONE NONE	1416 15799 history1 8 <1 1 1 history1 NONE NONE	1369 14411 9 2 1 history2 NONE NONE
	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 method *Visual *Visual	>400 >20 limit/base NONE NONE NONE	1252 9625 current 9 0 3 current NONE NONE NONE	1416 15799 history1 8 <1 1 1 history1 NONE NONE NONE	1369 14411 9 2 1 <u>history2</u> NONE NONE NONE
	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 Method *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE	1252 9625 current 9 0 3 current NONE NONE NONE NONE NONE	1416 15799 history1 8 <1 1 1 history1 NONE NONE NONE NONE NONE	1369 14411 9 2 1 <u>history2</u> NONE NONE NONE NONE NONE
	Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE NONE	1252 9625 current 9 0 3 current NONE NONE NONE NONE NONE NONE	1416 15799 history1 8 <1 1 history1 NONE NONE NONE NONE NONE NONE	1369 14411 9 2 1 NONE NONE NONE NONE NONE NONE NONE
	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 scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE NONE NONE	1252 9625 current 9 0 3 current NONE NONE NONE NONE NONE NONE NONE	1416 15799 history1 8 <11 1 NONE NONE NONE NONE NONE NONE NONE	1369 14411 history2 9 2 1 NONE NONE NONE NONE NONE NONE NONE NO
	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 scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	1252 9625 current 9 0 3 current NONE NONE NONE NONE NONE NONE NONE NON	1416 15799 history1 8 <11 1 NONE NONE NONE NONE NONE NONE NONE	1369 14411 history2 9 2 1 NONE NONE NONE NONE NONE NONE NONE NO

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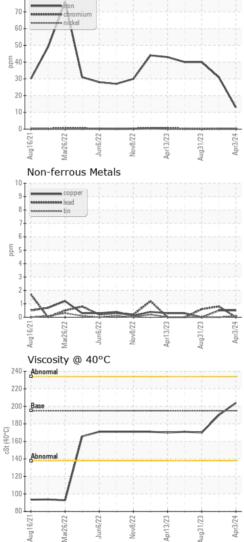
Submitted By: BRANDEN JAQUIAS



OIL ANALYSIS REPORT



FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	204	190	170
SAMPLE IMAG	BES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Ferrous Alloys						



SHERWOOD CONSTRUCTION CO INC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0883916 Received 3219 WEST MAY ST : 08 Apr 2024 Lab Number : 06142574 Tested : 09 Apr 2024 WICHITA, KS Unique Number : 10967382 : 09 Apr 2024 - Wes Davis US 67213 Diagnosed Test Package : CONST Contact: DOUG KING Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. doug.king@sherwood.net T: (316)617-3161 * - 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) F: x:

Submitted By: BRANDEN JAQUIAS Page 2 of 2