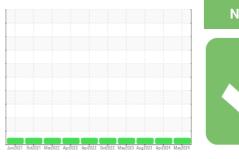


Area

OIL ANALYSIS REPORT



Sample Rating Trend





Recommendation

Contamination

Fluid Condition

any contamination in the oil.

Wear

COLORADO/443/EG - EXCAVATOR 20.411L [COLORADO^443^EG - EXCAVATOR] Hydraulic System

MOBIL MOBILTRANS AST 30 (41 GAL)

SAMPLE INFORMATION method WC0928750 WC0928690 WC0823103 Sample Number **Client Info** Resample at the next service interval to monitor. Sample Date Client Info 23 May 2024 30 Apr 2024 29 Aug 2023 Machine Age hrs **Client Info** 4578 4478 3845 All component wear rates are normal. Oil Age hrs Client Info 0 4478 3845 Oil Changed Changed Not Changd **Client Info** Not Changd Sample Status NORMAL NORMAL NORMAL The amount and size of particulates present in the system are acceptable. There is no indication of CONTAMINATION Water >0.1 NEG NEG NEG WC Method The AN level is acceptable for this fluid. The WEAR METALS condition of the oil is suitable for further service. ppm ASTM D5185m >20 6 4 6 Iron Chromium ASTM D5185m >10 0 0 0 ppm Nickel 0 0 0 ppm ASTM D5185m >10 Titanium ASTM D5185m 0 0 0 ppm 0 Silver n 0 ppm ASTM D5185m Aluminum ppm ASTM D5185m >10 <1 <1 <1 ASTM D5185m >10 0 0 Lead <1 ppm 9 10 10 Copper ppm ASTM D5185m >75 0 Tin ASTM D5185m >10 0 0 ppm Vanadium 0 0 ppm ASTM D5185m <1 0 0 Cadmium 0 ppm ASTM D5185m 2 2 Boron ASTM D5185m <1 ppm 3 Barium ppm ASTM D5185m 1 <1 Molvbdenum ASTM D5185m 0 0 <1 ppm 0 <1 0 Manganese ppm ASTM D5185m Magnesium ASTM D5185m 2 2 4 ppm 556 402 Calcium ASTM D5185m 535 ppm Phosphorus ASTM D5185m 695 707 698 ppm Zinc ppm ASTM D5185m 896 907 930 Sulfur ppm ASTM D5185m 2315 2407 2243 CONTAMINANTS 3 Silicon ppm ASTM D5185m >20 3 3 Sodium ASTM D5185m 2 2 ppm <1 Potassium ASTM D5185m >20 <1 0 2 ppm FLUID CLEANLINESS Particles >4µm ASTM D7647 865 1171 543 Particles >6µm 290 121 126 ASTM D7647 >2500 9 27 27 Particles >14um ASTM D7647 >640 2 Particles >21µm ASTM D7647 >160 7 8 0 0 Particles >38µm >40 0 ASTM D7647 Particles >71µm ASTM D7647 >10 0 0 0 **Oil Cleanliness** 17/15/12 17/14/10 16/14/12 ISO 4406 (c) >--/18/16

FLUID DEGRADATION Acid Number (AN) mg KOH/g

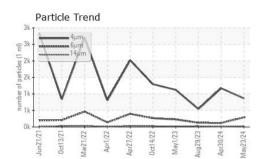
ASTM D8045

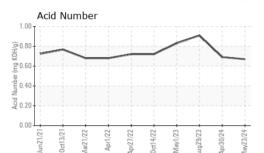
0.69 0.91 Submitted By: BRANDEN JAQUIAS

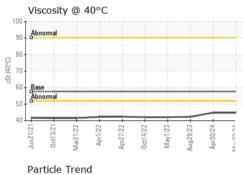
0.67

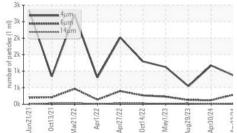


OIL ANALYSIS REPORT

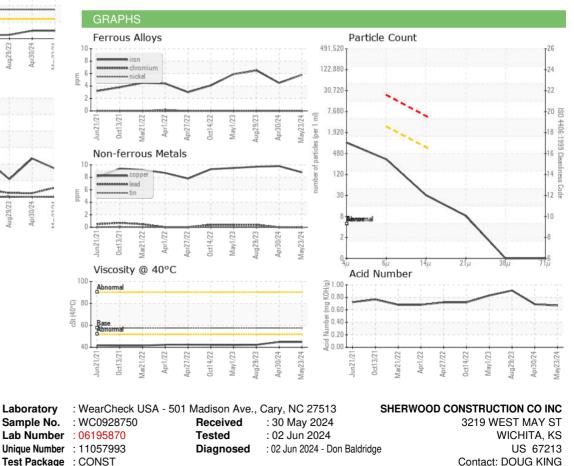








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.6	44.8	44.8	42.3
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color						
				and the second se		



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)

Report Id: SHEWIC [WUSCAR] 06195870 (Generated: 06/02/2024 12:50:58) Rev: 1

Certificate 12367

Submitted By: BRANDEN JAQUIAS

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