

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



MINING

ME-601 JOHN DEERE 944K 1DW944KSCNL703678

Rear Right Final Drive

SHELL Spirax S4 CX 30 (--- GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

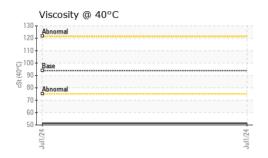
Fluid Condition

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

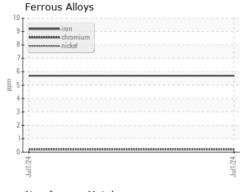
				Jul2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0944244		
Sample Date		Client Info		01 Jul 2024		
Machine Age	hrs	Client Info		9364		
Oil Age	hrs	Client Info		0		
Oil Changed	1115	Client Info		N/A		
		Ciletit IIIIO		NORMAL		
Sample Status	N.I.	and the set	Para Difference			history 0
CONTAMINATIC Water	DIN	method WC Method	limit/base >0.075	current	history1	history2
					historyt	hiotom/0
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>750	6		
Chromium	ppm	ASTM D5185m	>9	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Γitanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>40	2		
_ead	ppm	ASTM D5185m	>15	<1		
Copper	ppm	ASTM D5185m	>40	33		
- Tin	ppm	ASTM D5185m	>10	0		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3		
Barium	ppm	ASTM D5185m		0		
Nolybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium		ASTM D5185m		99		
viagnesium	ppm					
	ppm			3383		
Calcium	ppm	ASTM D5185m				
Calcium Phosphorus	ppm	ASTM D5185m ASTM D5185m		1086		
Calcium Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		1086 1216		
Calcium Phosphorus Zinc Gulfur	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	15 - 50 ft	1086 1216 3422	 	
Calcium Phosphorus Zinc Gulfur CONTAMINANTS	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base	1086 1216 3422 current		
Calcium Phosphorus Zinc Gulfur CONTAMINANTS	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	>75	1086 1216 3422 current	 history1	 history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>75 >51	1086 1216 3422 current 8	 	history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >51 >20	1086 1216 3422 current	 history1 	history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >51 >20 limit/base	1086 1216 3422 current 8 0 2	 history1	history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *Visual	>75 >51 >20 limit/base NONE	1086 1216 3422 current 8 0 2 current NONE	 history1 	history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual	>75 >51 >20 limit/base NONE NONE	1086 1216 3422 current 8 0 2 current NONE	 history1 history1	history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	>75 >51 >20 limit/base NONE	1086 1216 3422 current 8 0 2 current NONE NONE	 history1 history1	history2
Calcium Phosphorus Zinc Gulfur CONTAMINANTS Gilicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual	>75 >51 >20 limit/base NONE NONE	1086 1216 3422 current 8 0 2 current NONE	history1 history1 history1	history2
Calcium Phosphorus Zinc Gulfur CONTAMINANTS Gilicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	>75 >51 >20 limit/base NONE NONE NONE	1086 1216 3422 current 8 0 2 current NONE NONE	history1 history1 history1	history2
Calcium Phosphorus Zinc Gulfur CONTAMINANTS Gilicon Godium Potassium VISUAL White Metal Yellow Metal Precipitate Gilt Debris	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>75 >51 >20 limit/base NONE NONE NONE NONE	1086 1216 3422 current 8 0 2 current NONE NONE NONE	history1 history1	history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>75 >51 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	1086 1216 3422 current 8 0 2 current NONE NONE NONE NONE NONE NONE	history1 history1	history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >51 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	1086 1216 3422 current 8 0 2 current NONE NONE NONE NONE NONE NONE NONE NON	history1 history1	history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM U5185m ASTM	>75 >51 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	1086 1216 3422 current 8 0 2 current NONE NONE NONE NONE NONE NONE NONE NON	history1 history1	history2



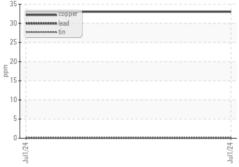
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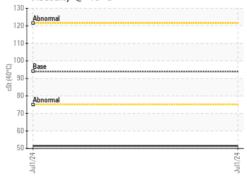
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	93.9	51.4		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image



Non-ferrous Metals



Viscosity @ 40°C







Certificate 12367

Laboratory

Sample No. : WC0944244 Lab Number : 06236535 Unique Number : 11125369

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024

Tested Diagnosed

: 16 Jul 2024 : 17 Jul 2024 - Sean Felton

COVIA - OREGON - 004 1446 DEVILS BACKBONE ROAD

OREGON, IL US 61061-0156 Contact: Brian Bunnell

brian.bunnell@coviacorp.com T: (815)677-8700

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: COVORE [WUSCAR] 06236535 (Generated: 07/17/2024 11:25:21) Rev: 1

Contact/Location: Brian Bunnell - COVORE