

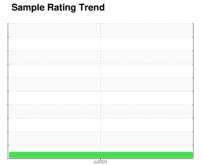
## **OIL ANALYSIS REPORT**

# MINING

# ME-600 JOHN DEERE 944K 1DW944KSCKF702606

**Rear Left 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

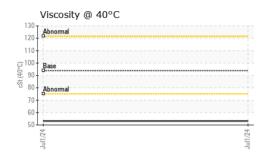
### **Fluid Condition**

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

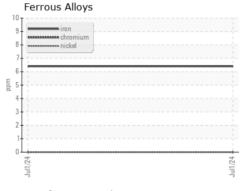
				Jul2024		
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0944250		
Sample Date		Client Info		01 Jul 2024		
Machine Age	hrs	Client Info		14541		
Dil Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.075	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>750	6		
Chromium	ppm	ASTM D5185m	>9	0		
Nickel	ppm	ASTM D5185m	>10	0		
- Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Muminum	ppm	ASTM D5185m	>40	<1		
.ead	ppm	ASTM D5185m	>15	0		
Copper	ppm	ASTM D5185m	>40	22		
īn	ppm	ASTM D5185m	>10	0		
anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m		8		
Barium	ppm	ASTM D5185m		0		
Nolybdenum	ppm	ASTM D5185m		0		
•	ppm	ASTM D5185m		0		
Manganese	ppm			79		
	nnm					
	ppm	ASTM D5185m				
Calcium	ppm	ASTM D5185m		3314		
Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m		3314 995		
Calcium Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		3314 995 1106		
Calcium Phosphorus činc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m		3314 995		
Calcium Phosphorus Linc	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base	3314 995 1106		
Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	>75	3314 995 1106 4255		
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	>75	3314 995 1106 4255 current		
Calcium Phosphorus Cinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	>75	3314 995 1106 4255 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	3314 995 1106 4255 current 5	  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	>75 >51 >20	3314 995 1106 4255 current 5 2 <1	  history1	  history2 
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >51 >20 limit/base	3314 995 1106 4255 current 5 2 <1	history1	  history2   history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow 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  wethod *Visual	>75 >51 >20 limit/base NONE	3314 995 1106 4255 current 5 2 <1 current NONE	  history1   history1	history2 history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	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 wethod *Visual	>75 >51 >20 limit/base NONE NONE	3314 995 1106 4255 current 5 2 <1 current NONE NONE	history1 history1	history2 history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon 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  *Visual	>75 >51 >20 limit/base NONE NONE NONE	3314 995 1106 4255 current 5 2 <1 current NONE NONE	history1 history1	history2 history2
Calcium 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	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	3314 995 1106 4255 current 5 2 <1 current NONE NONE NONE	history1 history1	history2 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	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m  Method ASTM D5185m ASTM D5185m ASTM D5185m  ASTM D5185m  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual	>75 >51 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	3314 995 1106 4255  current 5 2 <1  current NONE NONE NONE NONE NONE NONE NONE	history1 history1	history2 history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Pecipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m  method ASTM D5185m ASTM D5185m ASTM D5185m  *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >51 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	3314 995 1106 4255 current 5 2 <1 current NONE NONE NONE NONE NONE NONE NONE NON	history1 history1	history2 history2
Silicon Sodium Potassium	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	>75 >51 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	3314 995 1106 4255 current 5 2 <1 current NONE NONE NONE NONE NONE NONE NONE NON	history1 history1	history2 history2



## **OIL ANALYSIS REPORT**



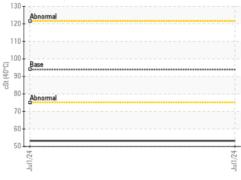
Color no image no image no image	FLUID PROPERTIES		method	limit/base	current	history1	history2
Color no image no image no image	Visc @ 40°C	cSt	ASTM D445	93.9	53.2		
	SAMPLE IMAGES		method	limit/base	current	history1	history2
Bottom no image no image no image	Color				no image	no image	no image
	Bottom				no image	no image	no image



# Non-ferrous Metals



### Viscosity @ 40°C







Certificate 12367

Laboratory

**Sample No.** : WC0944250 Lab Number : 06236575

Unique Number : 11125409 Test Package : CONST

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

Tested : 16 Jul 2024

: 17 Jul 2024 - Sean Felton Diagnosed

1446 DEVILS BACKBONE ROAD OREGON, IL US 61061-0156

**COVIA - OREGON - 004** 

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

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] 06236575 (Generated: 07/17/2024 12:28:23) Rev: 1

Contact/Location: Brian Bunnell - COVORE